

# THE WELLCOME HISTORICAL MEDICAL MUSEUM



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FOUNDED 1913

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54A, WIGMORE ST., LONDON, W.



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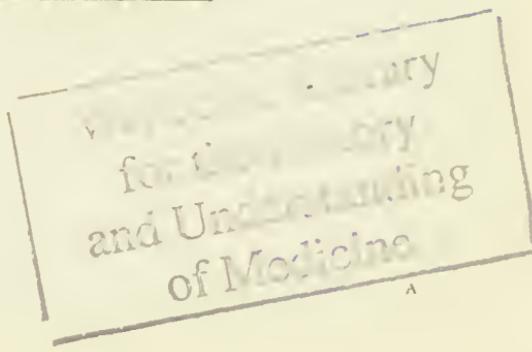
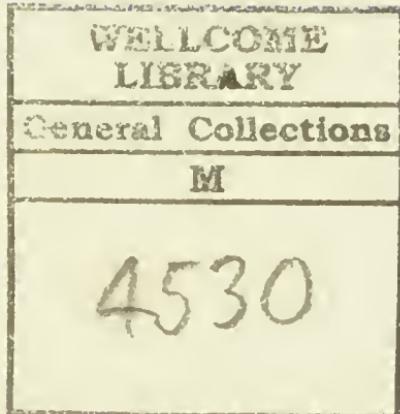
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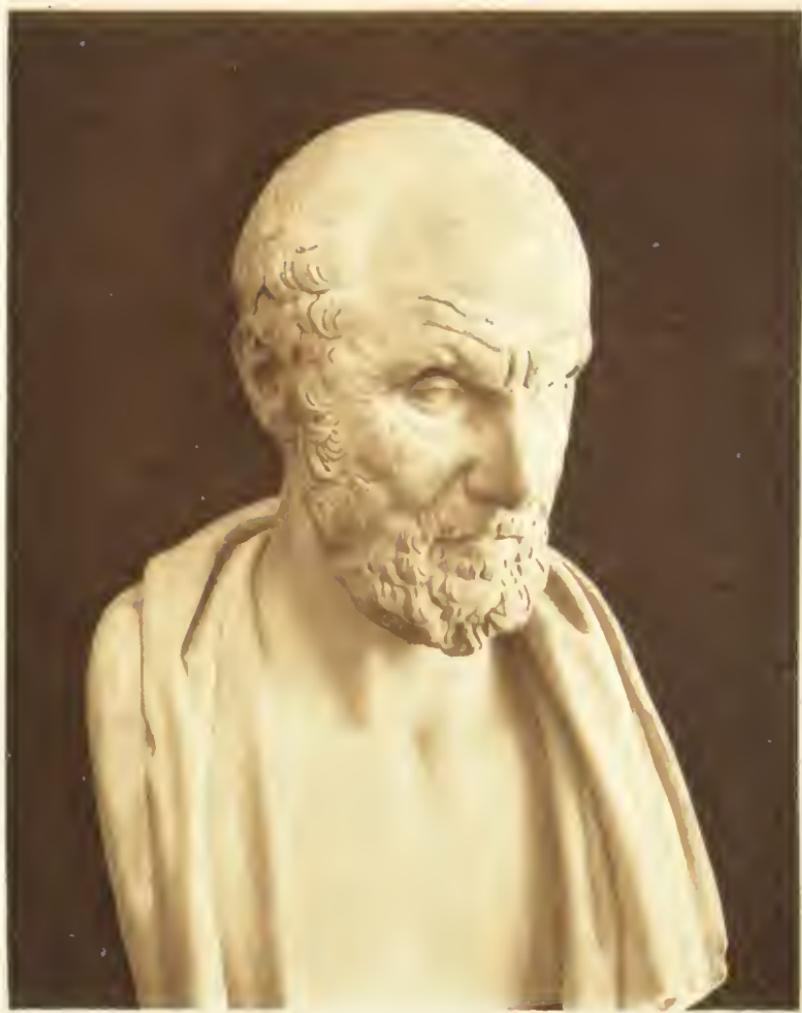
THE WELLCOME  
HISTORICAL MEDICAL MUSEUM

An International Collection illustrating  
the History of Medicine and the  
Allied Sciences

This Handbook is intended to serve as a descriptive guide only and to indicate the chief features and objects exhibited in the Museum.

General plans of the Museum will be found on *pages 8 and 9.*





Hippocrates

ca 460 B.C.

From the original Greek marble bust in  
the British Museum.





Hippopotamus

— 46

from the series of drawings  
in the British Museum

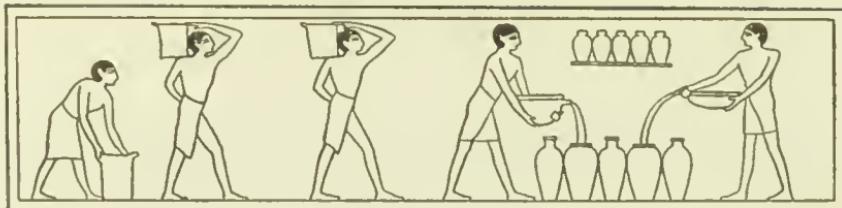
HANDBOOK  
OF THE  
WELLCOME HISTORICAL MEDICAL  
MUSEUM



FOUNDED BY HENRY S. WELLCOME  
1913

54A, WIGMORE STREET, LONDON, W.

The decorative headings used throughout  
are reduced facsimiles of the friezes  
specially designed and painted for the  
Wellcome Historical Medical Museum.



## INTRODUCTION

THE Wellcome Historical Medical Museum was founded by Mr. Henry S. Wellcome in 1913, and, as the Museum of the Section of History of Medicine, formed part of the XVII<sup>TH</sup> International Congress of Medicine that was held in London in August of that year.

It was inaugurated by Dr. Norman Moore, F.R.C.P., President of the Section, on Tuesday, June 24, 1913. During the period the Museum remained open, it was visited by many of the delegates and members of the International Congress of Medicine, also by a large number of medical practitioners and others interested, from all parts of the world, most of whom expressed their appreciation of its usefulness.

Closing on October 31, 1913, for a few months for the purpose of rearrangement, the Museum, to which considerable additions have been made, has now been reopened as a permanent institution.

The collection is international in character, and covers a large field, including Medicine, Surgery, Pharmacy, Chemistry and the Allied Sciences. The Museum is designed to represent the history of these various branches of the art of healing

throughout the world, and their practice is illustrated by objects, instruments and appliances of historical interest, and by plastic and pictorial art.

Medicine has a history which has touched every phase of life and art, and is to a large extent bound up with the records of humanity. By its study, fresh fields of medical research are suggested, and the interest in others still undeveloped is stimulated. Our views of progress, especially with regard to treatment, are often exaggerated, owing to our ignorance of the past; and careful research into ancient records has revealed the fact that modern methods are often mere repetitions of those practised long ago. Through the study of medical history, discoveries of great value, quite forgotten and buried in the records of the past, have been brought to light.

The importance of museums as an integral part of teaching is now fully recognised, and it is hoped, by intelligent classification and systematic grouping of objects, to make the Wellcome Historical Medical Museum of distinct educational value to students and others who are desirous of studying the subject.

One of the chief aims of the Museum will be to connect the links in the chain of human experience which stretches back from the present time into the prehistoric period of the early ages. Efforts will be made to trace the geneses of many branches of the healing art, and their development will be illustrated by instruments and appliances connected with them from their evolution to the present day.

It is also hoped to conserve the relics of workers and discoverers in various branches of Medicine and the Allied Sciences, and so hand down to posterity the names of those who in the course of time might be forgotten, thus rendering honour to whom honour is due. Relics and documents of this kind will form a permanent tribute to the work and memory of those who have distinguished themselves in various realms of science in past years.

The offer of MSS., early printed books, diplomas, autograph letters, ancient surgical instruments and other objects of historical interest, will be much appreciated either as gifts, or as loans to the Museum.

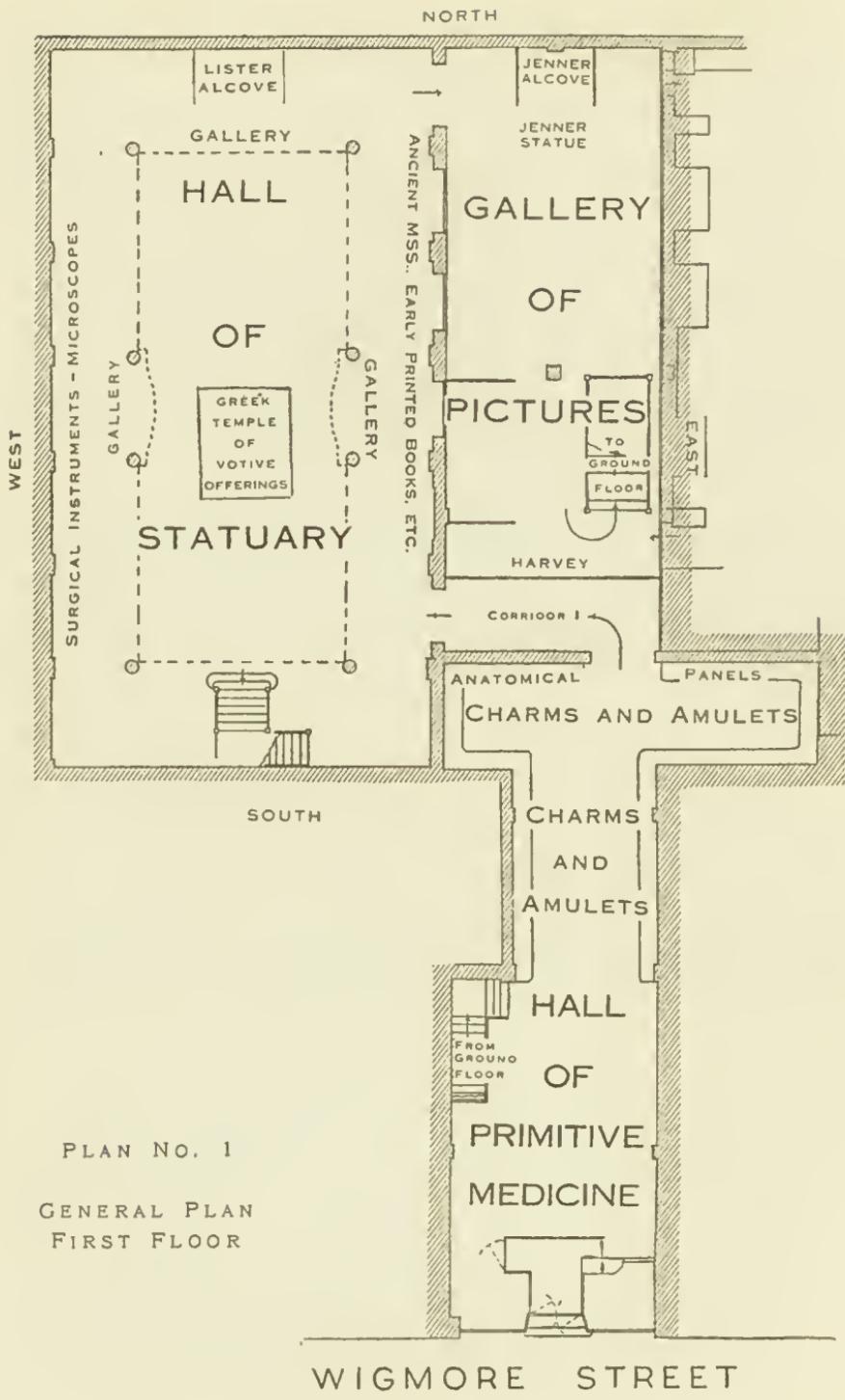
Communications should be addressed to—

THE CURATOR,

THE WELLCOME HISTORICAL MEDICAL MUSEUM,

54A, WIGMORE STREET,

LONDON, W.



NORTH

## NURSING, AMBULANCE AND

PARTURITION CHAIRS

## ORTHOPÆDICS, ETC.

WEST

HOSPITAL  
WARD,  
XVI CENTURY

LYING-  
IN  
ROOM  
XVI  
CENTURY

TURK-  
ISH  
DRUG  
SHOP

LIEBIG'S  
LABORA-  
TORY

CORRIDOR II

CHEMIST'S  
SHOP,  
XVIII CENTURY

EAST

GENTLE-  
MEN'S  
LAVATORY

SOUTH

## PHARMACY

MORTARS

APOTHE-  
CARIES'  
SHOP  
XVII CENTURY

ALCHEM-  
IST'S  
LABORA-  
TORY,  
XVI CENTURY

ITALIAN  
PHARMACY  
XVI CENTURY

LADIES'  
LAVA-  
TORY

CORRIDOR IV

OLD

MEDICINE

CHESTS

PLAQUE  
RELICS

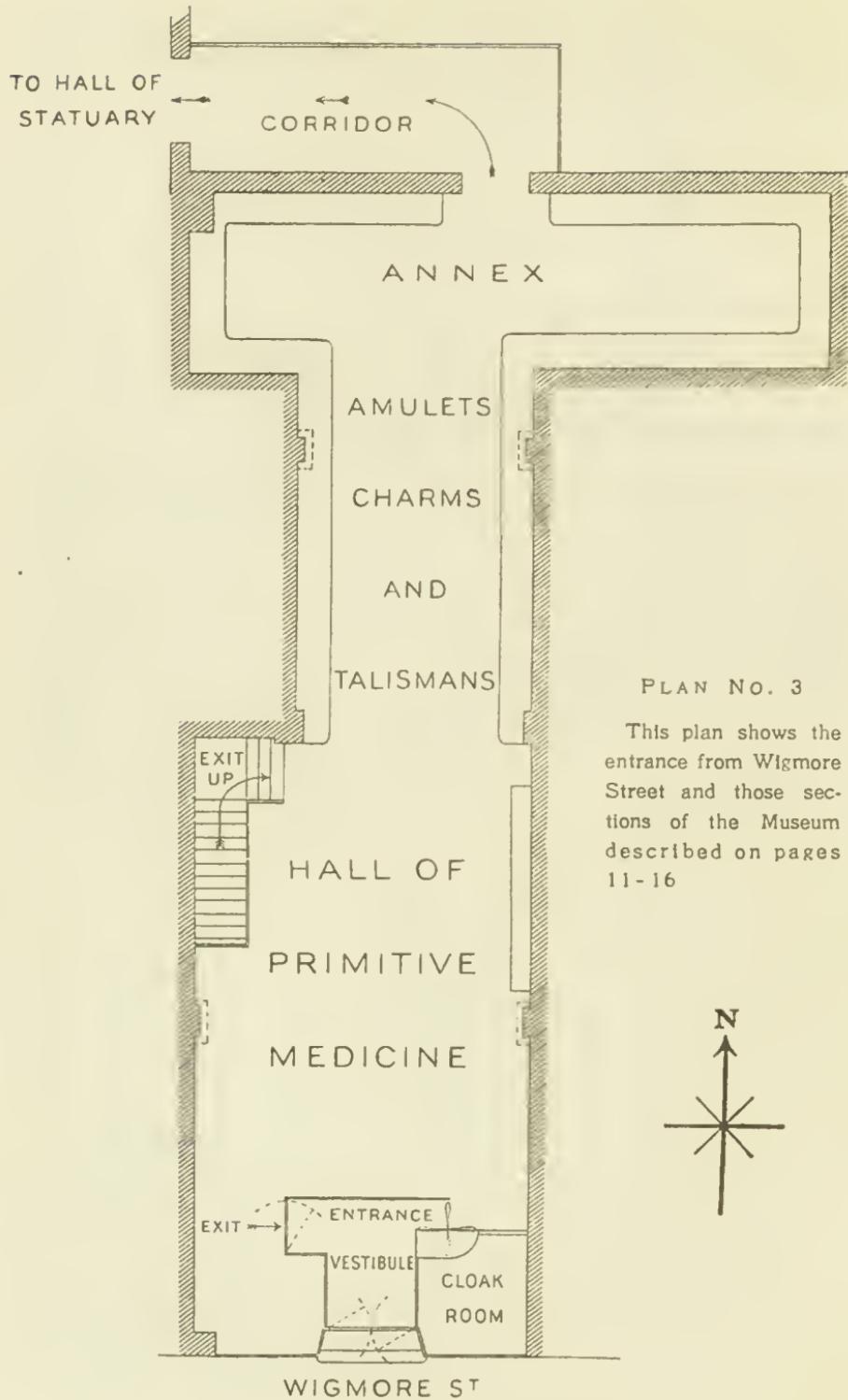
ROMAN  
SURGERY

ALCHEMI-  
CAL APPARA-  
TUS

BARBER  
SUR-  
GEON'S  
SHOP

PLAN NO. 2

GENERAL PLAN  
GROUND FLOOR





the natives of the Pacific Islands, and the Melanesians.

It is not known whether the Melanesians have any such a ceremony, but the natives of the Pacific Islands have a ceremony called *Ua* in which they offer up their dead to the gods.

The ceremony was performed and the dead were buried in the ground, and the ceremony of offering up the dead to the gods must have been a very early one in the Pacific Islands.

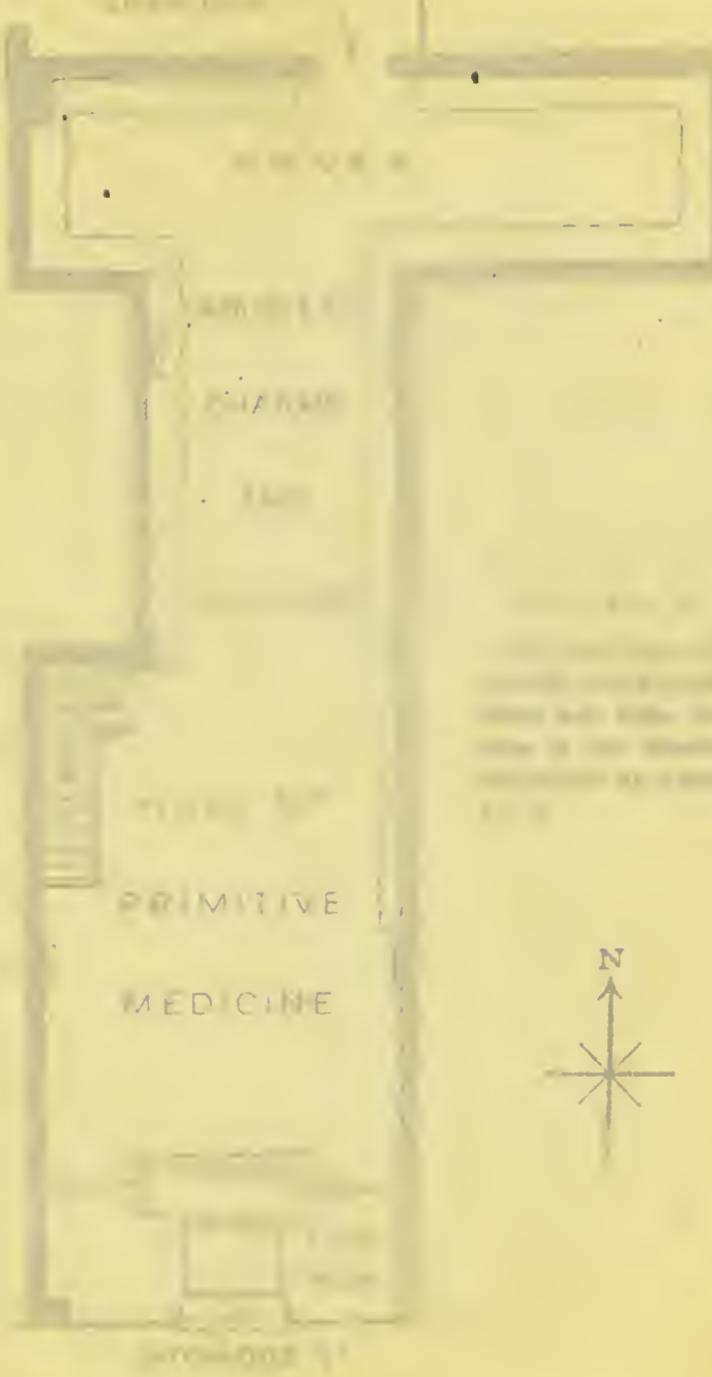
To drive away evil spirits throughout the world — among the primitive races of Africa, Australia and other continents — there was supposed to be caused by an evil spirit or demon which took possession of the body of man. To exorcise and drive out this malevolent spirit various methods were employed. Sometimes the demon was exorcised with a flat stone or glass or obsidian to allow the demon to escape or release itself from the body. The exorcist would then blow the exorcised demon into a corner. The exorcist of course left the corner when the demon was exorcised.

There are various ways of exorcising the evil spirit, and the natives of the Pacific Islands have various ways of doing this.

There are various ways of exorcising the evil spirit, and the natives of the Pacific Islands have various ways of doing this.

An endeavour has been made to print, as far as possible, the objects used by the native tribesmen of primitive peoples.

BOOK OF  
PLANARY





## THE HALL OF PRIMITIVE MEDICINE

IN primitive medicine we have the first instincts of man towards the relief of pain and the cure of disease.

In many of the practices and customs common among primitive races to-day in the treatment of disease we find a reflection of what medicine must have been in very early times in Europe.

In the ancient civilisations throughout the world—as among the primitive races of Africa, Australasia and other continents—disease was supposed to be caused by an evil spirit or demon which took possession of the body of man. To exorcise and drive out this malevolent spirit various methods were employed. Sometimes the skull was trepanned with a flint scraper or piece of obsidian to allow the demon to escape, or hideous masks and noises were employed to terrify the intruder and cause him to depart. Fumigations of strong and evil-smelling substances were also used for the same purpose.

Specimens of human skulls thus trepanned are exhibited, also rattles, drums and other noisy instruments used by native practitioners of medicine in various parts of the world.

Figures of medicine-men and witch-doctors in full costume from various parts of Africa are shown, also a model of a medicine-man's hut from New Guinea.

An endeavour has been made to group, as far as possible, the objects used by the native medicine-men of primitive peoples.

### Hall of Primitive Medicine—*continued*

Their methods of treatment may roughly be divided into two classes—first, physiological, and second, psychological, or those which affect the body through the mind.

The first includes such objects as the flint-tipped arrows (employed by natives of the South Seas for opening abscesses), flint knives and scrapers, probably used by primitive man for surgical purposes. Many of these are hardly less effective than, and vary but slightly in shape from, the modern instruments used in surgery.

The psychological side of primitive medicine is represented in the carved native fetish figures and other similar objects.

The fetishistic philosophy of the savage recognises a spirit in all bodies, even in inanimate objects, and the fetish is not regarded by him as a mere idol. It is an inanimate object which is venerated on account of its magical power or as being animated by a spirit.

The African native believes that he is surrounded by spirits who may afflict him with sickness, misfortune or death, but these spirits may be cajoled if only he use the right fetish, *viz.* the figure that contains the proper charms among which it likes to reside or on which it delights to feed. Thus it comes under the control of the medicine-man or witch-doctor who owns the fetish. The fetish figure is a mere piece of wood until it has passed through the hands of the witch-doctor who puts into it the proper charms or smears it with powerful "medicine." In the Congo district there is said to be a fetish for every disease known among the people.

The connection of the fetish figure with the primitive practice of healing is twofold. First it may be used as an amulet or means of enchantment, or the spirit which affects it may be adjured to grant a petition or drive

Hall of Primitive Medicine—*continued*

away the malignant demon that causes disease or misfortune.



A fetish figure from the Congo

The curious fetishes from the Congo, studded with nails and iron spikes, are employed in several ways. If a native desires to give pain to an enemy he drives into some part of the figure a nail or spike, in the belief that the spirit in the fetish will afflict his enemy with an acute pain in that region. Should he wish for the death of his enemy, he drives the nail into a vital part, such as the stomach or heart. A native who has received some benefit from the fetish sometimes drives in a nail as a votive offering, or he may do so in

order to rid himself of a pain in some part of his own body. Some of the fetish figures represent various forms of cicatrisation or tribal marks, while others illustrate méthodes used by savage tribes of extracting or filing teeth. Receptacles are made in the abdomens of some fetishes which are intended to be filled with certain "magical substances" or powerful "medicine."

### Hall of Primitive Medicine—*continued*

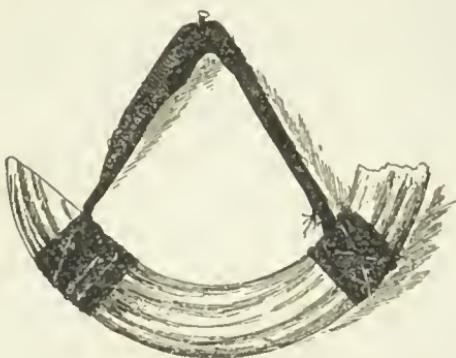
The frieze and the arch in this section are decorated with masks and other objects used in connection with native medical treatment by witch-doctors, sharmen, devil dancers and similar practitioners in Africa, Ceylon, New Guinea and the Islands of the Pacific. Beyond the arch the walls on either side are hung with

### PICTURES REPRESENTING VARIOUS GREAT EPOCHS IN THE HISTORY OF MEDICINE, SURGERY AND CHEMISTRY FROM PREHISTORIC TIMES TO THE NINETEENTH CENTURY.

#### AMULETS, CHARMS AND TALISMANS

Closely allied to the objects relative to medical practice among primitive peoples are the amulets, charms and talismans.

The use of amulets as prophylactics is common to primitive and civilised peoples. The belief in them appears to have been general throughout the human race, and goes back to prehistoric times. They may be perhaps classed among the psychological remedies, and there are still many who have a firm belief in them.



Household charm, used to bring good fortune

Protective amulets are used by them to keep away witchcraft, evil spirits and disease, and thus maintain the wearer of them in good health.





A WITCH-DOCTOR'S HUT, NEW GUINEA  
The Wellcome Historical Medical Museum  
(See page 15)

## Hall of Primitive Medicine

The room contains a large collection of amulets, charms, and talismans, including many held in ancient Egypt, some from Asia, others from China, Africa, and India; also some interesting specimens preserved in full condition in the Egyptian tombs of Upper Egypt today.

## Cabinet 402

Specimens showing various pathological conditions observed among the human remains in a prehistoric Ithaca cemetery now being excavated by Mr. Henry S. Wellcome in Cebu, Mind. & S. C. Sulon, Africa. They represent—

Loculated cavities of the mouth and of the alveolus.  
One fracture showing evidence of union.

Various other conditions, such as new growths,  
suppurating osteomyelitic affections, etc.

Specimens illustrating a new method specially devised  
for the preservation of archaeological anatomical  
remains.

## OVER STAIRCASE

## A WISE DOCTOR'S HALL, NEW YORK

—Cures unknown, no known sickness  
and remedies for unknown ills by the  
Divine Physician, Dr. Daniel W. Appling.





1910  
The W. CO. 1910

**Hall of Primitive Medicine—continued**

The cases contain a large collection of amulets, charms and talismans, including many used in ancient Egypt 5000 years ago, others from China, Africa and India; also some interesting specimens employed in folk-medicine in the country districts of Great Britain to-day.

**CASES 1 TO 5**

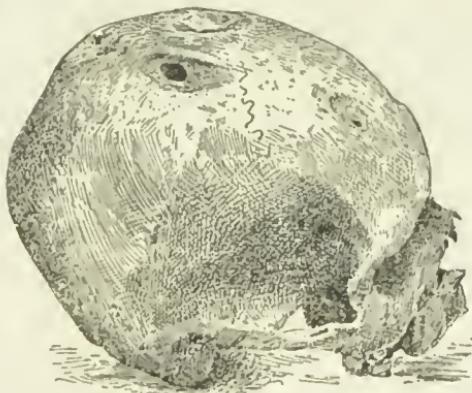
Specimens showing various pathological conditions observed among the human remains in a prehistoric Ethiopian cemetery now being excavated by Mr. Henry S. Wellcome at Gebel Moya, A. E. Sudan, Africa. They represent:—

Diseased conditions of the teeth and of the alveolus.

Old fractures showing instances of mal-union.

Various other conditions, such as new growths, atrophic and inflammatory affections, etc.

Specimens illustrating a new method specially devised for the preservation of archaeological anatomical remains.

**OVER STAIRCASE****A WITCH-DOCTOR'S HUT, NEW GUINEA.****SPECIAL CHARMS EMPLOYED FOR SLEEPING SICKNESS AND RHEUMATISM BY MEDICINE MEN OF THE BOLOKI TRIBE, CONGO DISTRICT, W. AFRICA.**

Skull of aboriginal man from New Ireland, showing holes made in trepanning

### Hall of Primitive Medicine—*continued*

Pictures of African medicine-men and witch-doctors, instruments and other objects used by them are exhibited on the walls.

Witch-doctors' costumes from Central Africa, etc.

#### CASES 14, 15 AND 16

Skulls of anthropological and surgical interest.

#### THE MANUKA OF WHAKATANE.

Maori talisman of Life and Death. The Manuka was regarded by the Maoris as the spiritual embodiment and personality of life and health.

#### CASE 8

SHRUNKEN HUMAN HEADS FROM CENTRAL AMERICA AND ECUADOR.

#### CASES 19 TO 57

CHARMS, AMULETS AND TALISMANS.

#### ANNEXE

THE FRIEZE REPRESENTS SCENES OF MEDICAL, SURGICAL AND HYGIENIC INTEREST REPRODUCED FROM ANCIENT GREEK VASES.

#### NORTH WALL

TWELVE OIL PAINTINGS OF ANATOMICAL SUBJECTS ATTRIBUTED TO JACQUES GAUTIER D'AGOTY, ANATOMIST, PHILOSOPHER, AUTHOR AND ENGRAVER, BORN, MARSEILLES, 1710; DIED, PARIS, 1785.

#### ON THE RIGHT AND LEFT

Prints, engravings, water-colour drawings, etc., of historical medical interest.

#### CORRIDOR I

(LEADING TO HALL OF STATUARY)

Oil Paintings and Water-Colour Drawings  
of Medical Interest



## THE HALL OF STATUARY

PROMINENT in this hall are statues, casts and reproductions of ancient deities associated with the healing art from ancient times.

At the north end are grouped those of the early civilisations, including the gods of the Sumerians, Chaldeans, Babylonians and Assyrians. Prominent among these is Ea or Oannes, the earliest known deity connected with medicine, who, according to tradition, instructed the Chaldeans in science and learning about 5000 B.C.

On the left are Egyptian deities associated with healing, and on the right, representations of the fathers of medicine of India and China, together with the Aztec medical genius, Ixtlilton.

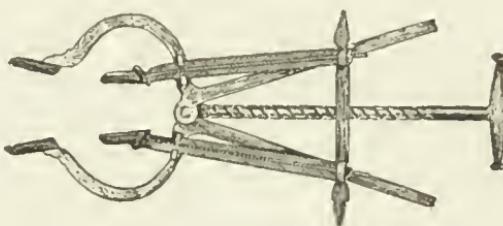
At the south end are the deities of the early and classic periods of Hellenic culture.

In the centre of the hall is a model of a Greek shrine after the temple of the Erechtheion, in which are arranged some of the rarer Roman votive offerings of pathological and anatomical interest.

In the Egyptian alcove on the left are reproductions in facsimile of the earliest records of medicine, dating from *ca.* 2700 B.C., including the medical papyri Kahun, Ebers, Hearst, and those of London and Berlin. Close by are also early representations of deities, together with alabaster unguent jars and stone mortars used for medical purposes in ancient Egypt.

**Hall of Statuary—continued**

Facing these, on the right, in the Oriental alcove will be found figures of deities associated with healing from the far East, and, on the adjacent walls, representations of the practice of medicine in ancient Greece and Rome.



Ancient Roman vaginal speculum

**ANCIENT MEDICINE AND SURGERY**

In the cases under the gallery surrounding the hall will be found a representative collection of instruments employed in surgery and dentistry from the earliest times.

The scheme of arrangement is chronological as far as possible, the history of each instrument in most cases being studied separately. An endeavour has been made to trace the evolution and development of the more important instruments, thus:—

The evolution of the speculum is shown in **CASE 70**.

The evolution of the blunt hook is shown in **CASE 72**.

The evolution of the trepan is shown in **CASE 80**.

The evolution of the stethoscope is shown in **CASE 83**.

The evolution of the enema is shown in **CASE 85**.

The evolution of the cupping vessel is shown in **CASE 86**.

The evolution of the lancet is shown in **CASE 91**.

The evolution of the dental forceps is shown in **CASE 93**.

The evolution of the tooth-brush is shown in **CASE 93**.





A SECTION OF THE HALL OF STATUARY

The Wellcome Historical Medical Museum

**Hall of Statuary—continued****ORIENTAL ALCOVE**

CHINESE GODDESS OF OPHTHALMIA, one of the nine Goddesses of Maternity.

CHINESE GOD OF CONTENTMENT.

TIBETAN DEITY HOLDING MAGIC SYMBOL OF PROTECTION AGAINST DISEASE.

CHINESE GODDESS OF CHILDREN.

JAPANESE FIGURE OF EMMA, King of Devils.

BRONZE PEACOCKS, CALLED "ANGEL PEACOCKS."

The idol of the devil worshippers. Every part of the body, wings and tail is engraved with representations of different acts of "Ahriman," the god of evil. The idol is made in such a way that in a strong current of air it will move its neck and wings, giving a most uncanny effect. It is supposed to have magical powers.

CARVED WOOD PILLOW CHARM.

Each end is carved in the form of the head of a tiger. They are supposed to swallow evil dreams and turn them into good ones.

SHEN-NUNG, Chinese Deity of Medicine.

CHINESE BARBER-SURGEON'S STAND FOR BLEEDING BASINS.

CHINESE WOODEN SHIELD, painted in various colours.

Used as a talisman against evil.

SIGN, hung outside houses to prevent outrage at the time of the Boxer rebellion.

BRONZE TIBETAN DEITY COATED WITH GOLD.

CHINESE GODDESS KWANYIN, THE GIVER OF CHILDREN.

**Hall of Statuary—continued****ORIENTAL ALCOVE—continued****CHINESE DEITY ASSOCIATED WITH HEALING.****CHINESE DEITY ASSOCIATED WITH HEALING.****CHINESE DEITY ASSOCIATED WITH HEALING.****CHINESE DEITY ASSOCIATED WITH HEALING.***Presented by Rev. A. H. Faers, Sin Fu, W. China***HINDU DEITY ASSOCIATED WITH DISEASE.****HINDU DEITY ASSOCIATED WITH DISEASE.****IVARA, Hindu God of Fever.****EGYPTIAN ALCOVE****LEFT SIDE****AUTA. A Chief Physician. "Lord of the Two Lands."****1350-1205 B.C.**

Translation of inscription: "All that comes on the offering table of Ptah-zo-Kar Osiris is for Ka of the Royal Scribe and Chief Physician, Auta."

*Cast from the original in the Rijks Museum, Leyden***CABINET OF GRECO-EGYPTIAN GYNÆCOLOGICAL INSTRUMENTS.**

Modelled and reconstructed from a sculptured relief in a Birth-House at the Temple of Kom-Ombos. 181-146 B.C.

**ANCIENT EGYPTIAN MORTARS.****ALABASTER UNGUENT JARS, BOTTLES AND VASES, used for medicinal purposes.**

**Hall of Statuary—continued****EGYPTIAN ALCOVE, LEFT SIDE—continued**

**KNEELING FIGURE OF AMEN-EM-APT**, a Royal Scribe and probably a priest-physician also; Director of the Festivals of Amen-Ra at Thebes. 18th Dynasty, *ca. 1600 B.C.*

**TWO PORTIONS OF A STELE**, bearing an inscription of Kha, priest-physician of Memphis.

He is described as Priest of the Pyramid called Men-Asat, that is, the Pyramid of King Ra-nefr-ar-ka, whose partly mutilated cartouche appears in the second portion. He also held the post of "Keeper of the House of Gold" to the King, about 3200 B.C.

**RECUMBENT TERRA-COTTA FIGURE OF "GRIEF,"** from a prehistoric grave.

**FIGURE ON BIER.** Archaic period.

**MODEL OF EGYPTIAN TOMB AND CEREMONY OF BURIAL.** Archaic period.

**PORTIONS OF MUMMY CASES AND CASE ORNAMENTS.**

**CASE 90**

**THE KAHUN PAPYRUS**, in facsimile.

The earliest known Egyptian Papyrus on Medicine. *ca. 2700 B.C.*

**THE PAPYRUS EBERS**, in facsimile.

*ca. 1552 B.C.*

**THE HEARST MEDICAL PAPYRUS**, in facsimile.

*ca. 1500 B.C.*

**THE BERLIN MEDICAL PAPYRUS**, in facsimile.

*ca. 1400 B.C.*

**Hall of Statuary—continued****EGYPTIAN ALCOVE—continued**

THE LONDON MEDICAL PAPYRUS, in facsimile.

*ca. 1400 B.C.*

TWO ORIGINAL PAPYRI, discovered in a Temple near Thebes.

FOOT OF MUMMY, unrolled.

OBJECTS AND PICTURES CONNECTED WITH THE  
HISTORY OF ERGOTISM

ST. ANTHONY, Patron Saint of Ergotism (*ignis sacer*).

ST. ANTHONY, Patron Saint of Ergotism (*ignis sacer*).

STE. GENEVIÈVE, a Patron Saint of Ergotism (*ignis sacer*).

THE ABBAYE OF ST. ANTOINE, in the Isère, France.

Pilgrims suffering from Ergotism (St. Anthony's Fire) approaching the Infirmary in which the relics and bones of the Saint which were believed to cure the disease, are preserved.

PHOTOGRAPHS OF ST. ANTOINE, THE ABBAYE AND THE SILVER RELIQUARY CONTAINING THE BONES OF THE SAINT, still preserved in the Abbaye, etc.

ERGOT OF RYE. Series of specimens showing its development

- o Healthy ovaries before being attacked with the spores of Ergot.
- i The mycelium begins to grow and penetrates through the ovary walls, forming, outside,

**Hall of Statuary—continued****EGYPTIAN ALCOVE—continued****ERGOT OF RYE—continued**

some sinuosities which can be seen by means of a magnifying glass.

In the higher part of the grain there is a formation of a very viscous liquid.

(Some of the black particles, which are seen in the glumes, were rendered adherent by this viscous liquid).

- 2 *Sphacelia*. Completely formed.
- 3 The *Sclerotium*, viz., the violet part, begins to form.
- 4, 5, 6 and 7 The *Sclerotium* continues to grow until it reaches, as in No. 8, the length of 5 centimetres. The *Sphacelia* is becoming dry and diminished in volume.
- 9 Tube with ear carrying four ergots, which is not of frequent occurrence.
- 10 Ergots producing in spring, in wet places, fructiferous receptacles, where the spores should be. These, being carried by the air or by insects to the flowers of rye, produce ergot.

THE BLIND GIRL ... ... ... *Marble Statuette*

EXAMINATION FOR PREGNANCY

*Carving in wood, 16th century*

THE CHARITY PATIENT ... ... ... *Statuette*

ROMULUS AND REMUS... ... ... *Bronze Statuette*

MISS FLORENCE NIGHTINGALE AND A  
SOLDIER ... ... ... ... *Statuette*

Hall of Statuary—*continued*EGYPTIAN ALCOVE—*continued*

QUEEN ELEANOR AND THE POISONED WOUND OF EDWARD I	...	...	...	Statuette
MISS FLORENCE NIGHTINGALE	...	...	...	Statuette <i>Hilary Bonham Carter</i>

## CASE 87

ANCIENT EGYPTIAN ALABASTER OINTMENT POTS, STIBIUM CONTAINERS, TERRA-COTTA PATHOLOGICAL FIGURES, AND ANCIENT DRUGS, excavated in Egypt, including gums, resins, dates, etc., *ca.* 1500 B.C.

## CASE 89

STATUETTES OF ANCIENT EGYPTIAN DEITIES ASSOCIATED WITH THE ART OF HEALING, in silver, bronze, ivory, blue glaze, etc.

HYGEIA ... ... ... ... ... Bronze Statuette

OLIVER GOLDSMITH ... ... ... ... ... Statuette

THE OATH OF HIPPOCRATES. 400 B.C.

STELE IN STONE, representing Asklepios and Hygeia.

Asklepios is reclining on a couch, drinking from a rhyton. Hygeia, who is seated, holds a vessel in her left hand. Near the couch to the right is a kelebe, probably with libation. To the left two adorant figures or attendants, and one carrying a basket on his head.

[A similar stele was found in a shipwrecked Roman galley off Mahdia, in Tunis: the vessel is supposed to have left Greece soon after the sack of Athens and Piræus by Sylla. The stone is supposed to have been taken from the shrine of Asklepios at the Arsenal of Piræus. (B.M.J., Oct. 28, 1911)]

Hall of Statuary—*continued*

HEAD OF ASKLEPIOS ... ... *Marble, Greco-Roman*  
HEAD OF AEsculapius... ... *Marble, found at Benha*  
HEAD OF AEsculapius... ... *Marble, found at Lepanto*

## SIGNBOARD OF A LONDON APOTHECARY.

Dated 1623.

*From the original in the Museum of the  
Royal College of Surgeons*

## SIGNBOARD OF A GERMAN APOTHECARY.

XVII century.

JOHN ABERNETHY, F.R.S. ... ... *Bust, after Malerbi*  
DR. TODD, F.R.S. ... ... ... ... *Bust*  
SCHWARTZ, German Alchemist ... ... ... *Statuette*  
Pioneer in the discovery of gunpowder.  
DEATH AND THE PEASANT ... ... *Carved in wood*  
DISEASE DEMON, one of the goddess  
Kali's attendants ... ... *From Southern India*  
BUDDHA, an ancient representation in  
marble ... ... ... ... *From Burma*

## CASES 64 AND 65

ANCIENT EGYPTIAN, GREEK, AND ROMAN OBJECTS OF  
HISTORICAL MEDICAL INTEREST, instruments of  
surgery, strigils, cupping vessels, artificial bronze limb,  
etc., etc.

**Hall of Statuary—continued****Statuary****APOLLO.**

The earliest known Greek deity associated with medicine. According to tradition, he was the son of Zeus, and father of Asklepios. He was regarded as the god of pestilence, and believed to have power to restore life to the dead.

*From the original in the Vatican*

**HYGEIA.**

Greek goddess of health, and daughter of Asklepios. According to tradition, she assisted her father in the temples of healing, and to her was entrusted the feeding of the sacred serpents.

*From the original in the Louvre, Paris*

**CHEIRON.**

The Centaur, called by Homer "the sire of Pharmacy." He was the first traditional personage connected by the Greeks with herbs of healing, and was said to have been instructed by Apollo, who handed on to him his knowledge of the medicinal use of plants. His name is still perpetuated in the Centaury plant, which he is said to have used as an application to a wound that he received while hunting with Diana on Mount Pelion.

*Hibbert Binney, R.B.A.*

**IXTLILTON ("Little Dark Brother").**

Ancient Mexican deity of healing. The sick and afflicted made offerings to him and implored his aid to heal them of their diseases.

**SHEN-NUNG.**

Founder of the healing art among the Chinese. He is said to have flourished 2838-2698 B.C., and is reputed to have discovered the medicinal properties of plants, and to have taught the Chinese the art of agriculture.

Hall of Statuary—*continued*

## DHANWANTARI.

“The health bestowing one.” Vedic father of medicine, and “Physieian of the Gods.” He was counted by the Hindus as a “master of universal knowledge,” and the first to instruct them in the healing art. To him is said to have been revealed, by Brahma, the Ayur-veda, one of the sacred books on medicine.

EA.

Earliest known Chaldean deity associated with healing. About 5000 B.C. He is also called Oannes, “Lord of the Deep,” as, according to Berossus, he arose from the sea and instructed the Chaldeans in science and learning.

*Hibbert Binney,  
R.B.A.  
From a bas-relief  
in the British  
Museum*

GULA.

A Sumerian goddess of healing, venerated about 3000 B.C. She is called “The Great Healer.” “The Mistress of Charms and Spells.” “The Terrible Goddess.” Gula apparently had a dual character and was a divinity of healing, as well as the mistress of poisons and of death-dealing diseases. She was the deified form of the sorceress or witch-doctor. The medical school of Borsippa was under her protection as also that of Sippara. The dog was regarded as her sacred animal.



EA

## Hall of Statuary—*continued*

### ADAPA.

Sumerian genius of healing. About 4500 B.C. Adapa is one of the earliest known personages directly associated with medicine. He was the human incarnation of Marduk, the divine son of Ea, and was believed to possess the spells of life and death.

“ Ea gave him wisdom,  
So that his command was like unto the word of  
a god.  
To him also he gave deep knowledge :  
With the healing spell of life and death he was  
made.”

*From a Babylonian clay tablet, ca. 4500 B.C.*

### MARDUK.

The earliest Chaldean and Babylonian deity revered as the tutelary god of healing, about 4500 B.C. He was the traditional son of Ea, and supposed to control the lightning and the mysterious forces of heaven and earth. As founder of the Zodiac and Lord of the Planets, he was also believed to influence health and disease in mankind through the medium of the heavenly bodies. His powers are thus described:—

“ O Marduk, thou art glorious among the great gods !  
No will is greater than thine.  
Thou canst inflict upon the guilty one a dropsy  
which no incantation can cure.  
Thou art the merciful one who taketh pleasure  
in raising the dead to life (*i.e.* healing of  
the sick)—  
The merciful one who hath power to give life.  
By thy spells the sick are restored.”

The dog was regarded as a sacred emblem connected with Marduk.

*From a Babylonian clay tablet, ca. 4500 B.C.*

### BABYLONIAN DEMON OF DISEASE.

These figures, usually human in form with animal's heads, were believed to drive the demons of disease away, and were placed in niches in the walls of houses.

Hall of Statuary—*continued*

## THOTH.

Thoth was considered by the Egyptians to be the embodiment of divine wisdom, and was one of the earliest known Egyptian deities associated with medicine. To him was attributed the invention of science and magic. He is said "to have conferred enlightenment upon doctors."

## I-EM-HETEP.

"He who cometh in peace." An early Egyptian deity of medicine and healing, and son of Ptah. He was venerated as the "good physician of gods and men." It is probable he was a real personage, who lived in the reign of Tser, in the second dynasty, and was renowned for his skill in healing, and afterwards deified.

## PTAH.

Chief God of Memphis, and the most ancient of the Egyptian deities connected with the healing art. He is called "the Father of the mighty Fathers," the "Father of beginnings and the creator of his own image." His healing powers are chiefly connected with blindness and deafness.

## ASKLEPIOS.

Greek deity of Medicine, the *Aesculapius* of the Romans. Tradition states that he was the son of Apollo and Coronis, and that the secrets of healing were transmitted to him by Apollo. He probably lived about 1300 B.C. Asklepios was renowned for his special skill in healing. After his death he was deified, and his cult became the most important in Europe, and the foundation of the medical art in ancient Greece.

Hall of Statuary—*continued*

## CENTRE OF HALL

GREEK SHRINE, modelled after the Temple of the Erechtheion, containing Roman votive offerings (Donaria) of anatomical, pathological and obstetrical interest, excavated chiefly at the Temple of Æsculapius on the Tiberine Island, and from the Temple of Maternity in Capua; also Casts of Votive Offerings from the Museo dell'Orto Botanico, Rome.



Roman votive offering in terra-cotta

1 LARGE MASCULINE TORSO with ovoid opening on anterior surface, between the lower extremity of the sternum and the umbilicus, showing thoracic and abdominal viscera conventionally disposed as in "visceral plaques" Nos. 71, 72, 73, 74. It retains to a marked extent the flesh tint with which these terra-cottas were covered

*Found at Isola Farnese*

2 LOWER PART OF MASCULINE  
TRUNK ... ...

*From Tiberine Island*

Hall of Statuary—*continued*CENTRE OF HALL—*continued*GREEK SHRINE—*continued*

3 MAN AND WIFE SEATED SIDE BY SIDE, each holding sacrificial paera in right hand. The woman has a swaddled baby resting on her left arm ... —

This terra-cotta group was found in the Tiber, and, like many other similar ones, evidently served as a thanksgiving offering for safe childbirth.

4 UPPER PART OF FACE ... *From Isola Farnese*

5 WOMAN SUCKLING INFANT ... *From Veii*

6 FEMALE BUST SHOWING ANAMAKALISTON, a Greek form of suspensory bandage for the mammae ... ... ... *From Capua*

7 SMALL LEAD MODEL OF INFANT FEEDING BOTTLE IN THE SHAPE OF AN ASKOS ... ... —

8 SEATED WOMAN, SUCKLING INFANT. Traces of red paint on seat and foundation, or (preliminary) white coating all over figure ... ... ... *From Palestrina*

9 SWADDLED INFANT IN BASKET CRADLE ... ... ... —

10 SEATED FEMALE, with hypertrophied mammae resting on swollen or gravid abdomen. Head and arms missing ... *From Capua*

#### Hall of Statuary—continued

CENTRE OF HALL—continued

### GREEK SHRINE—*continued*

11 SMALL MODEL OF LEG *From Palestrina*

12 FEMALE FIGURE LIFTING GARMENT TO EXPOSE PUDENDA.  
*Cast from original in National Museum, Rome*

13 FIGURE OF HERMAPHRODITE DRAWING APART LONGITUDINALLY-DIVIDED GARMENT TO EXPOSE BODY ... ... ... *From Capua*

14 COURTESAN WEARING WIG AND DRAWING APART GARMENT TO EXPOSE DISEASED GENITAL PARTS.  
*Cast from original in National Museum, Rome*

15 INFANT IN SWADDLING CLOTHES. Traces of white foundation colour ... ... ... *From Palestrina*

16 LEFT HAND HOLDING VOTIVE OINTMENT POT ... *From Isola Farnese*

17 CHILD'S RATTLE, representing infant in cradle. Traces of colouring ... ... ... —

18 MARBLE DONARIUM, representing uterus ... ... ... ... —

Hall of Statuary—*continued*CENTRE OF HALL—*continued*GREEK SHRINE—*continued*

19 FEMALE FIGURE IN KNEELING  
POSTURE AND PRESSING  
ABDOMEN WITH BOTH HANDS

*Capua. Temple of Maternity*

The kneeling position occurs frequently in Egyptian and Greek monuments representing labour. Possibly this statuette may represent one of the old Roman deities (Nixi) presiding over labour—which were represented in a kneeling posture,—and of whom assistance was asked by parturient women during the earlier stages of labour.

20 MODEL OF A BREAST ... ... *From Veii*

21 AGED NURSE, OR GRANDPARENT,  
CARRYING INFANT ON LEFT  
ARM, AND HOLDING WITH THE  
RIGHT AN OLDER CHILD WALK-  
ING BY HER SIDE ... ... —

22 MODEL OF A BREAST ... ... *From Capua*

23 KNEELING FEMALE FIGURE. (See  
No. 19) ... ... ... —

24 PLACENTA ... *From Temple of Maternity, Capua*

25 UTERUS BISEPTUS WITH LEFT  
OVARY ... ... ... *From Isola Farnese*

26 UTERUS BISEPTUS... ... ... *From Tiber*

27 UTERUS WITH RIGHT OVARY  
*From Isola Farnese*

Hall of Statuary—*continued*CENTRE OF HALL—*continued*GREEK SHRINE—*continued*

28 ABDOMINAL VISCERA.

*Cast from original in National Museum, Rome*

29 UTERUS WITH LEFT OVARY ... —

30 UTERUS.

*Cast from original in National Museum, Rome*

31 UTERUS ... ... ... ... —

32 PLACENTA ... ... ... ... —

33 PUDENDA ... ... ... ... —

34 OVARY ... ... ... ... —

35 OVARY ... ... ... ... —

36 UTERUS ... ... ... ... —

37 UTERUS ... ... ... ... —

38 UTERUS ... ... ... ... —

39 OVARY ... ... ... ... —

40 OVARY ... ... ... ... —

41 PUDENDA ... ... ... ... —

42 GROUP OF MAN AND WIFE ... —

The woman, with arms round her husband's neck, turns her head forward towards the Deity as if to thank, or intercede, for recovery from disease or danger.

43 FEMALE HEAD, with patches of hair missing on scalp, suggesting *alopecia areata*.*Cast from original in National Museum, Rome*

Found on the Quirinal, together with other votive offerings.

## Hall of Statuary—continued

## CENTRE OF HALL—continued

## GREEK SHRINE—continued

44 MAN LIFTING LOWER PART OF  
TOGA ABOVE LEFT KNEE TO  
SHOW DISEASED LEG ... —

45 MODEL OF FIBROUS POLYPUS

*Temple of Maternity, Capua*

46 HEART ... ... ... ... —

47 VOTIVE PLAQUE, representing  
patient at a healing spring ... —

On the left of the spring stands the local nymph with right hand outstretched towards the source. On her left stands Hercules with lion's skin over his head.

48 EYE... ... ... ... —

49 EAR ... ... ... ... —

50 HEART ... ... ... ... —

51 CONVALESCENT IN HOODED CLOAK —

Possibly a representation of Telesphorus, the god of convalescence.

52 RICKETY CHILD WITH NECKLACE  
OF BULLAE AND OTHER PRO-  
TECTIVE AMULETS CONTAINING  
*prævia remedia* ... —

53 AN ELBOW, with scattered, rounded  
and elevated patches on extensor  
surface, indicating the discoid  
form of psoriasis

*Cast from original in National Museum, Rome*

Hall of Statuary—*continued*CENTRE OF HALL—*continued*GREEK SHRINE—*continued*

54	LOWER PORTION OF HEAD, showing floor of the mouth, lower mandible, tongue, œsophagus and trachea ...	...	...	...	—
55	TONGUE ...	...	...	...	—
56	TONGUE ...	...	...	...	—
57	LEFT THUMB ...	...	...	...	—
58	UMBILICAL HERNIA	...	...	...	—
59	RICKETY CHILD ...	...	...	...	—
60	RICKETY CHILD HOLDING SACRIFICIAL COCK UNDER LEFT ARM	...	...	...	—
61	DEFORMED TRUNK	...	...	...	—
62	SET OF TEETH ...	...	...	...	—
63	FÆCES ...	...	...	...	—
64	FRAGMENT OF TRUNK, showing digestive organs	...	...	...	—
65	LEFT FOOT ...	...	...	...	—
66	LEFT HAND ...	...	...	...	—
67	BUST OF FEMALE DEITY WITH DIADEM HEAD-DRESS. Traces of colouring ...	...	...	...	—
68	RIGHT HAND ...	...	...	...	—
69	RIGHT FOOT ...	...	...	...	—
70	LARYNX	<i>Cast from original in National Museum, Rome</i>			
71, 72, 73, 74	PLAQUES showing internal viscera ...	...	...	...	—
75	BUBO ...	...	...	...	—
76, 77, 78	FÆCES ...	...	...	...	—

Hall of Statuary—*continued*CENTRE OF HALL—*continued*GREEK SHRINE—*continued*

79	PART OF INTESTINE	...	...	—
80	INTESTINES			
		<i>Cast from original in National Museum, Rome</i>		
81	PENIS, with long, swollen prepuce suggesting phimosis	...	...	—
82	MALE GENITALS	...	...	—
83, 84, 85	BUBOES (?)	...	...	—

## SOUTH-WEST CORNER

## CASE 97

ANCIENT EGYPTIAN, PHœNICIAN, ROMAN AND SYRIAN  
GLASS: Cinerary Urns, Flasks, Phials, Unguentaria, Stibium and Perfume Bottles, etc.

## SOUTH-EAST CORNER

## CASES 60, 61 AND 62

ANCIENT GREEK AND ROMAN VOTIVE OFFERINGS FOR  
HEALTH; also Votive Offerings in silver, wax  
and metal of ancient and modern times from  
Spain, Italy, Belgium, Turkey, Peru, etc.

## CASE 82

CHINESE CARVED RHINOCEROS HORN CUPS, used to  
counteract the effects of poisonous liquids placed  
in them.

## CRYSTAL POISON CUPS.

It was believed that the cups would crack if a  
poisonous liquid was placed in them.

## CASE 74

ANATOMICAL FIGURES, male and female, modelled in  
wax, representing Life and Death.

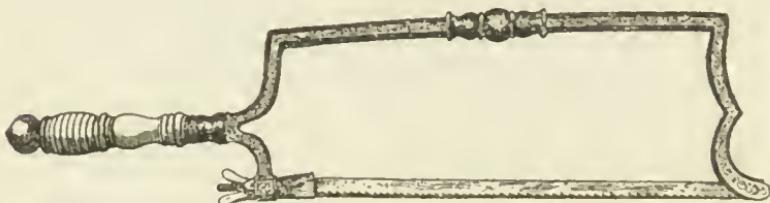
ANATOMICAL FIGURES IN WAX AND WOOD. 16th and  
17th centuries.

Hall of Statuary—*continued*

## EAST SIDE

## CASE 69

LARGE SURGICAL SAWS, 16th century.



Amputation Saw, 16th Century

LARGE SURGICAL SCISSORS, 17th century.

LEATHER SURGICAL INSTRUMENT CASES, 16th century.

ARTIFICIAL MECHANICAL ARM, 18th century.

CHINESE ANATOMICAL FIGURE, carved in wood and painted, showing venous system, probably used for indicating treatment by acupuncture.

JAPANESE ANATOMICAL MANNIKIN showing internal organs and covered with human skin.

DR. BURTON'S MIDWIFERY FORCEPS (1710-1771) (Model).

CHAMBERLEN'S OBSTETRICAL INSTRUMENTS (Models).

The first instruments used in midwifery by Dr. Peter Chamberlen, about 1680.

AZTEC FIGURE REPRESENTING "LIFE" ... ... ...	From the originals in the National Museum, Mexico City
AZTEC FIGURE REPRESENTING "DEATH" ... ... ...	



## SURGICAL AND DENTAL INSTRUMENTS AND THEIR HISTORY

### Hall of Statuary—*continued*

#### CASE 63

ANCIENT GRECO-ROMAN SURGICAL INSTRUMENTS (Models).

#### CASE 66

SURGICAL INSTRUMENTS. Native Oriental.

#### CASE 67

SURGICAL INSTRUMENTS. Native African, etc.

#### CASE 68

SURGICAL TOILET INSTRUMENTS. Greco-Roman.

#### CASE 70

GYNÆCOLOGICAL INSTRUMENTS, 16th to 18th centuries.

#### CASE 71

OBSTETRICAL INSTRUMENTS, 18th and 19th centuries.

#### CASE 72

OBSTETRICAL INSTRUMENTS, 18th and 19th centuries.

#### CASE 73

OBSTETRICAL INSTRUMENTS, 18th and 19th centuries.

#### CASE 75

OBSTETRICAL AND LITHOTOMY INSTRUMENTS, 16th to 19th centuries.

#### CASE 76

LITHOTOMY INSTRUMENTS, 18th and 19th centuries.

#### CASE 80

TREPANNING, 16th to 18th centuries.

**Hall of Statuary—continued****HISTORY OF INSTRUMENTS—continued****CASE 81**

SURGICAL INSTRUMENTS, 15th to 18th centuries.

**CASE 84**

AMPUTATION SAWS AND KNIVES, 16th to 19th centuries.

**CASE 85**

SCARIFICATORS AND SYRINGES, 17th to 19th centuries.

**CASE 86**

INSTRUMENTS FOR DIAGNOSIS, ORAL AND THROAT INSTRUMENTS, ETC.

**CASE 88**

SCISSORS AND FORCEPS, ETC., 17th to 19th centuries.

**CASE 91**

LANCETS AND POCKET LANCET CASES, 17th to 19th centuries.

**DENTISTRY****CASE 92**

DENTAL INSTRUMENTS, 16th to 19th centuries.

**CASE 93**

ARTIFICIAL DENTURES AND DENTAL INSTRUMENTS, 18th and 19th centuries.

PICTURES, PRINTS, CARICATURES, STATUETTES, etc., relating to the Art of Dentistry.

**NORTH WALL—ALCOVE**

PORTRAITS, RELICS, DOCUMENTS AND APPARATUS CONNECTED WITH THE LATE LORD LISTER.

**CASE 160**

MEDICAL DIPLOMAS, 17th and 18th centuries.





INTERIOR OF A HOSPITAL WARD OF THE XVI CENTURY

The Wellcome Historical Medical Museum

(See page 59)

1100 *W. J. H. Goss*

Cap. 102



THE UNIVERSITY OF TORONTO LIBRARIES  
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THE LIBRARY OF THE UNIVERSITY OF TORONTO



## GALLERY OF THE HALL OF STATUARY

ON THE WALLS AROUND THE GALLERY ARE WATER-COLOUR ENLARGEMENTS OF MINIATURES, FROM EARLY MANUSCRIPTS ON MEDICINE, SURGERY, PHARMACY, CHEMISTRY, BOTANY, ETC., FROM THE 6TH TO THE 17TH CENTURY.

### CASE 101

ILLUMINATED AND OTHER MANUSCRIPTS ON MEDICINE,  
ETC. From the 13th to the 18th century.

CASE 102

ILLUMINATED AND OTHER MANUSCRIPTS ON MEDICINE,  
ETC. From the 15th to the 18th century.

CASE 103

ANCIENT MEDICAL DOCUMENTS AND ENGLISH, GREEK  
AND ORIENTAL MANUSCRIPTS ON MEDICINE.

CASE 104

EARLY PRINTED BOOKS ON MEDICINE. 15th and 16th  
centuries.

## SCREEN

CASE 105

ENLARGEMENTS IN WATER-COLOUR OF THE MANDRAKE,  
AS DEPICTED IN MANUSCRIPTS. From the 13th to  
the 17th century.

SPECIMENS OF THE ROOTS OF *Mandragora Atropa*.  
Grown at Dartford, Kent.

CASE 106

EARLY ENGLISH PRINTED BOOKS ON MEDICINE. 15th  
and 16th centuries.

**Hall of Statuary (Gallery)—continued****CASE 107**

EARLY PRINTED BOOKS ON MEDICINE. 16th and 17th centuries.

**CASE 108**

EARLY PRINTED BOOKS ON MEDICINE. 16th to 19th centuries.

**CASES 109 AND 112**

EARLY ELECTRICAL AND PHILOSOPHICAL APPARATUS.

**CASES 110 AND 111**

ORIGINAL APPARATUS, ETC., employed by Galvani in his discovery of animal magnetism in 1792.

**CASE 113**

NATIVE AND OTHER SURGICAL INSTRUMENTS.

**CASE 114**

ANCIENT AND PRIMITIVE COMBS.

**CASE 115**

ANCIENT SPECTACLES AND EYE-GLASSES.

**CASE 116**

OLD SURGICAL INSTRUMENTS (MISCELLANEOUS).

**CASES 117 TO 122**

ANCIENT SURGICAL INSTRUMENTS FOR TREPANNING, AMPUTATION, ETC., in cases.

**CASES 123 TO 126**

ANCIENT MICROSCOPES.

**CASES 139 AND 140**

SEALED EARTH—*Terra Sigillata*.

**CASES 141 AND 142**

THERIACA—Treacle of Andromachus.



## GALLERY OF PICTURES

THE FRIEZE REPRESENTS THE INCISED SCULPTURED RELIEFS IN THE BIRTH-HOUSE AT LUXOR, illustrating the birth of Amenophis III. 1450 B.C.

BEGINNING AT LEFT CORNER OF WEST WALL

Panel I. KHNUM, the creator god, moulding the figure of the child, and his Ka or double.

The god has the two figures, which he has moulded out of clay, upon a potter's table. Before the god, Isis is seated, giving directions and holding the Sign of Life in her hand.

,, II. KHNUM announcing that he has moulded the Ka and body of the child that is to be born to Amen-Ra.

,, III. The God AMEN and the Queen MUT-M-AI seated facing each other upon a seat in the form of the hieroglyph for Heaven.

The god holds the right hand of the queen, and with his own right hand is, by a kind of hypnotic manner, transmitting his divine personality to her.

The Heaven seat rests on the heads of two seated goddesses: Heket, the Frog goddess, the divinity of millions of years, and Neith, the goddess of Prosperity and Life.

**Gallery of Pictures—*continued***

Panel IV. THOTH announcing the name of the child to be born to Amen-Ra.

He holds in his hand a papyrus roll on which the name is written.

„ V. ISIS announcing the future birth of the child to the Queen Mut-n-ai, and presenting her to Amen-Ra.

„ VI. A SACRIFICIAL SCENE—Two bulls being towed on altar-sledges before Amen-Ra.

„ VII. THE CHILD AND ITS DOUBLE receiving its name, which is inscribed on a cartouche, and presented by Isis.

„ VIII. THOTH announcing to the Queen the name of the child she carries.

„ IX. KHNUM and ISIS holding the hands of the pregnant Queen, and placing to her lips the Sign of Life to infuse divine life into the infant and quicken it.

„ X. THE ACCOUCHEMENT OF THE QUEEN.

„ XI. ISIS presenting the newly-born child and his double to Amen-Ra.

„ XII. AMEN-RA nursing the child and kissing it.

Before the god stand the goddess ISIS and Shesta, the goddess who gives long life and who writes down the number of years of the child's life.

**Gallery of Pictures—continued**

Panel XIII. THE CHILD AND ITS DOUBLE being presented to Amen-Ra by Horus.

„ XIV. ANUBIS, the God of Death, and Khnum, the God of Life.

„ XV. THE INFANT CHILD BEING NURSED BY ISIS, and ministered to by Nephthys and another goddess.

„ XVI. THE BABE BEING NURSED BY NEITH AND HEB.  
In the left-hand corner of the lower tier the child is represented as sucking milk from the udder of the sacred cow.

„ XVII. ANUBIS (three times repeated) and HORUS (three times repeated) hailing the bringing of the Crowns of the North and South to the child.

„ XVIII. THE ROYAL PRINCE SEATED ON HIS THRONE, being carried in a net-basket by Anubis and Horus.

„ XIX. AMEN-RA and HORUS pouring the “Water of Life” over the young Prince.

„ XX. THE ACCOUCHEMENT OF THE QUEEN.

**SOUTH WALL**

The panels are taken from ancient sculptures representing men filling jars, syphoning, carrying the wounded, vomiting, performing gymnastics, and washing the head.

Gallery of Pictures—*continued*

## CASE 166

RELICS OF HENRY HILL HICKMAN, M.R.C.S.

*Lent by Mrs. Bettridge and Miss Thompson*

## ALCOVE

PORTRAITS, DOCUMENTS AND RELICS OF  
DR. EDWARD JENNER, DISCOVERER OF  
VACCINATION.

## CASE 167

PERSONAL RELICS OF DR. EDWARD JENNER.



Dr. Edward Jenner's Medicine Chest

A BRONZE GROUP — DR. EDWARD  
JENNER PERFORMING HIS FIRST  
VACCINATION... ... ...*By Giulio Monteverde*

## CASE 175

IVORY CARVINGS, ANATOMICAL MODELS IN IVORY, WOOD  
AND BRONZE.

Gallery of Pictures—*continued*

## CASE 180

HISTORICAL MEDICINE CHESTS, ETC., INCLUDING THE MEDICINE CHESTS OF LORD NELSON, THE DUKE OF WELLINGTON, DR. EDWARD JENNER, ETC.



Sir James Paget's  
stethoscope

## CASE 168

RELICS AND INSTRUMENTS OF THE LATE SIR JAMES PAGET; SIR JAMES Y. SIMPSON; SIR ANDREW CLARK; AND MR. RICHARD QUAIN, F.R.C.S.

## CASES 169 AND 170

RELICS, DOCUMENTS, BOOKS, COINS AND TOUCH-PIECES, used in connection with the HEALING BY ROYAL TOUCH.

## CASE 174

GIRDLES OF CHASTITY, ETC.

## CASE 171

OLD POCKET MEDICINE CASES.

## CASES 172 AND 179

MINIATURES OF MEDICAL INTEREST.

## CASE 173

ANCIENT RINGS, GEMS, CHARMS, ETC., OF MEDICAL INTEREST.

## CASES 176 AND 177

COINS, MEDALS AND PLAQUETTES OF MEDICAL INTEREST.

**Gallery of Pictures—*continued*****CASE 178**

ANCIENT BLEEDING-BASINS, SEALS, SCALES, SNUFF-  
BOXES, ETC.

**CASE 181**

SILVER PAP-BOATS, EYE-BATHS, MEASURES, ETC.

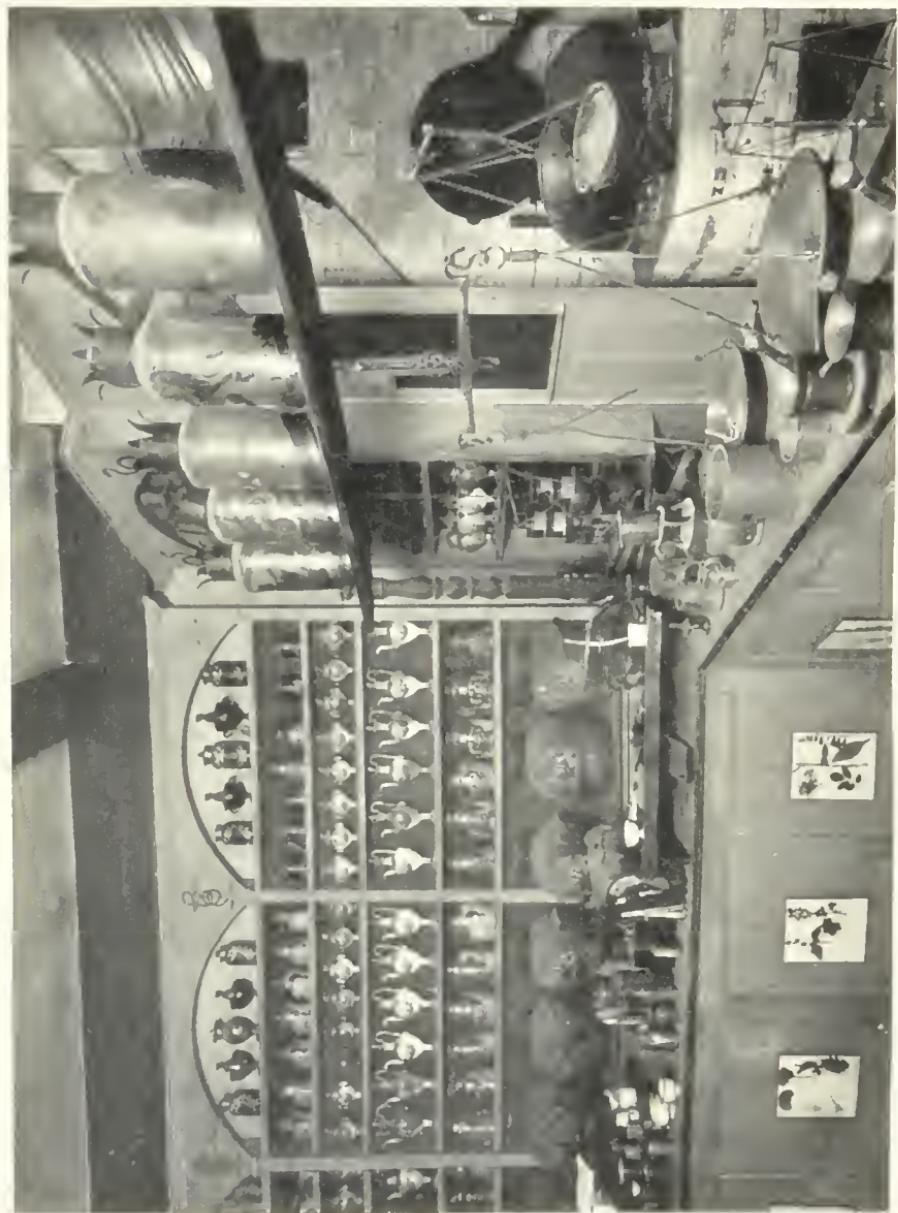
**CASE 182**

INSTRUMENTS AND APPARATUS PRESENTED BY SIR  
LAUDER BRUNTON, Bart.

**CASE 183**

DIPLOMA (FACSIMILE) OF DR. WILLIAM HARVEY,  
Discoverer of the circulation of the blood; also  
early editions of his works.





INTERIOR OF A LONDON PHARMACY, XVIII CENTURY

The Wellcome Historical Medical Museum



WORCESTER, DUTCHESSE, MINTONWARE,  
WEDGWOOD, BACCARATE, ETC.

GROUND FLOOR-ROOM

RIGHT SIDE

A. Library shelves a range of the 18th century.  
The desk front is the original of the  
pharmacy established in 1708 by John Bell,  
also J. & Bell, founder of the Pharmaceutical  
Society. The vases and covers in  
the interior are of old Davenport ware, the  
ointment jar of Staffordshire, one var-  
ied the perfume bottle of 1790, and  
Meriton ware. The table and chair  
surrounds the original piano forte  
manufactured by the famous  
Carringtons of Worcester, and  
the chair is of 1790.

B. Library of Art

2000-2001

1. A collection of English glass of various  
periods, including a large  
number of 18th century pieces,  
and others of 17th, 19th, and  
20th centuries.

2. A collection of 18th century glass.

CABINETS 11A, 20, 22A

GLASS: LINTONWARE, SPALDING WARE, 17TH-19TH CENT.





## SURGICAL APPLIANCES, ORTHOPÆDICS, NURSING, AMBULANCE, ETC.

### GROUND FLOOR—BACK

#### RIGHT SIDE

##### A LONDON CHEMIST'S SHOP of the 18th century.

The shop front is the original of the pharmacy established in 1798 by John Bell, father of Jacob Bell, founder of the Pharmaceutical Society. The vases and ewers in the interior are of old Davenport ware, the ointment jars of Staffordshire stoneware, and the essence bottles of early red Venetian glass. The laboratory in the rear contains the original ancient fittings of a pharmaceutical laboratory of the 18th century that once stood in Russell Street, Covent Garden, London.

#### EAST SIDE

##### A CHAPEL OF VOTIVE TABLETS.

17th to 19th centuries.

*Chiefly from the Church of Santa Maria dei Bagni, Deruta, Perugia.*

Some of these curious tablets are original and others replicas of offerings presented after recovery from accidents and disease.

#### LEFT AND NORTH WALL BENCHES

#### CASES 223 TO 225

FRACTURE APPLIANCES: Splints, Rests, Extensions.

**Ground Floor, Back—*continued*****CASES 225 TO 228**

ORTHOPÆDIC APPLIANCES: Leg and Spine Supports, Wry-neck Apparatus, etc.

**CASES 222 AND 227**

ARTIFICIAL LIMBS.

**CASE 229**

TRUSSES AND BELTS, etc.

**CASE 231**

AURAL APPLIANCES AND TOURNIQUETS.

**CASE 232**

INHALERS.

**CASE 233**

BED-PANS AND URINALS IN PEWTER AND EARTHEN-WARE.

**CASE 234**

COLLECTION OF DOCTORS' AND NATIVE MEDICINE-MEN'S STICKS.

**CASE 236**

OPIUM PIPES.

**CASE 237**

CONTENTS OF THE FAMOUS CHINESE OPIUM DEN OF AH-SING, which was raided in the East-end of London.

This den furnished Charles Dickens with his references to opium smoking in the "Mystery of Edwin Drood."

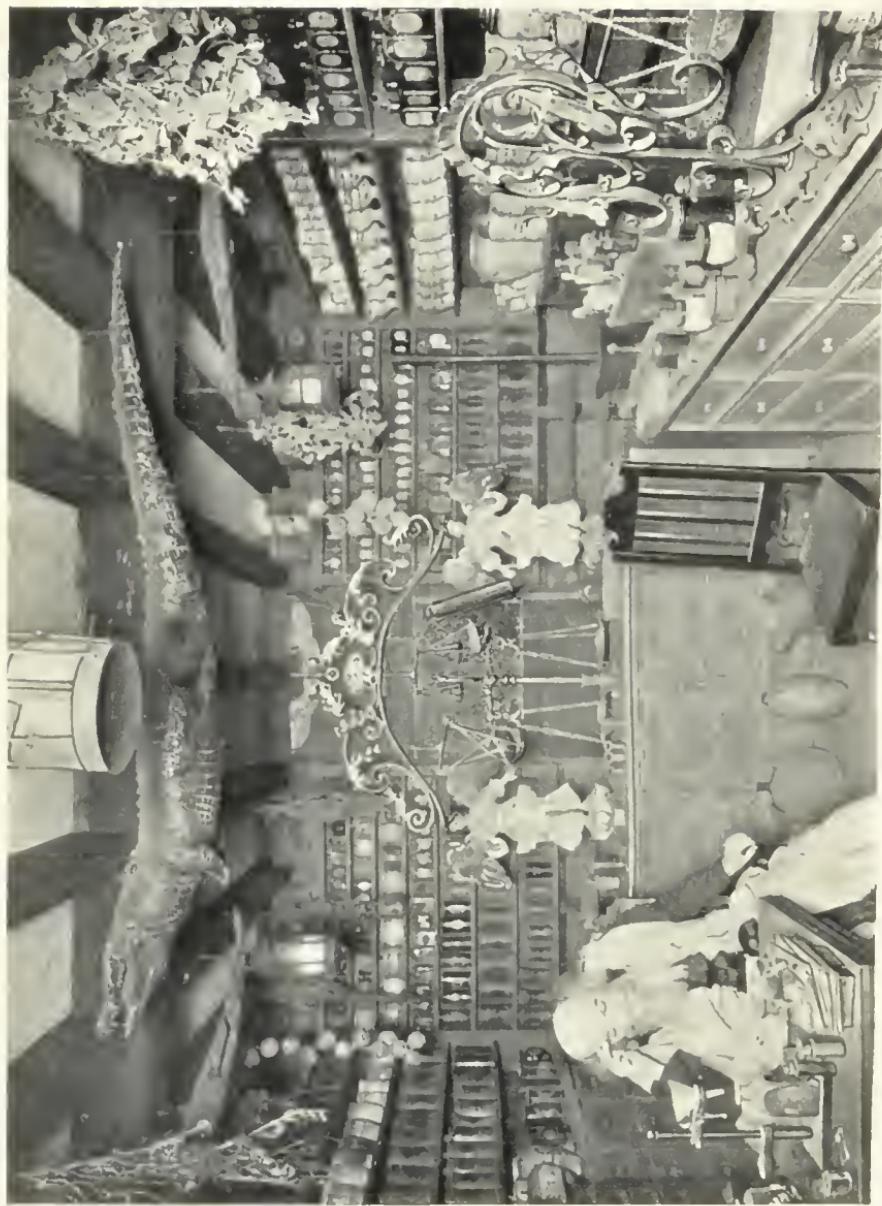
**CASES 238 TO 240**

COLLECTION OF PIPES

**CASES 241 AND 242**

COLLECTION OF SPOONS





INTERIOR OF A LONDON APOTHECARY'S SHOP, XVII CENTURY  
The Wellcome Historical Medical Museum

## Ground Floor, Back -continued

## CASE TABLES

## CASE 200

POCKET SURGICAL DRESSING AND DENTAL CASE, etc.

## CASE 201

BLADDER-PUMPS, EXTRACTORS, AND SURGICAL INSTRUMENTS.

## CASE 202

ENEMAS AND SYRINGES, MEDICAL AND SURGICAL.

## CASE 203

ENEMA SYRINGES AND STOMACH-PUMPS.

## CASE 204

ENEMA-SYRINGES AND STOMACH-PUMPS.

## CASE 205

ENEMA-SYRINGES AND STOMACH-PUMPS.

## CASES 200 AND 207

BARBERS' SHAVING DISHES, etc.

## CASES 208 AND 209

ANESTHETIC APPARATUS AND PHARMACEUTICAL APPARATUS.

## CASES 219 AND 220

GARDEN APPLIED MEDICAL APPARATUS.

DRUG AND SURGICAL MUS.

## CASE 221

CUPIDOR AND VASINTE, etc.

## CASE 216

LADY'S VASELINE.

## CASE 217

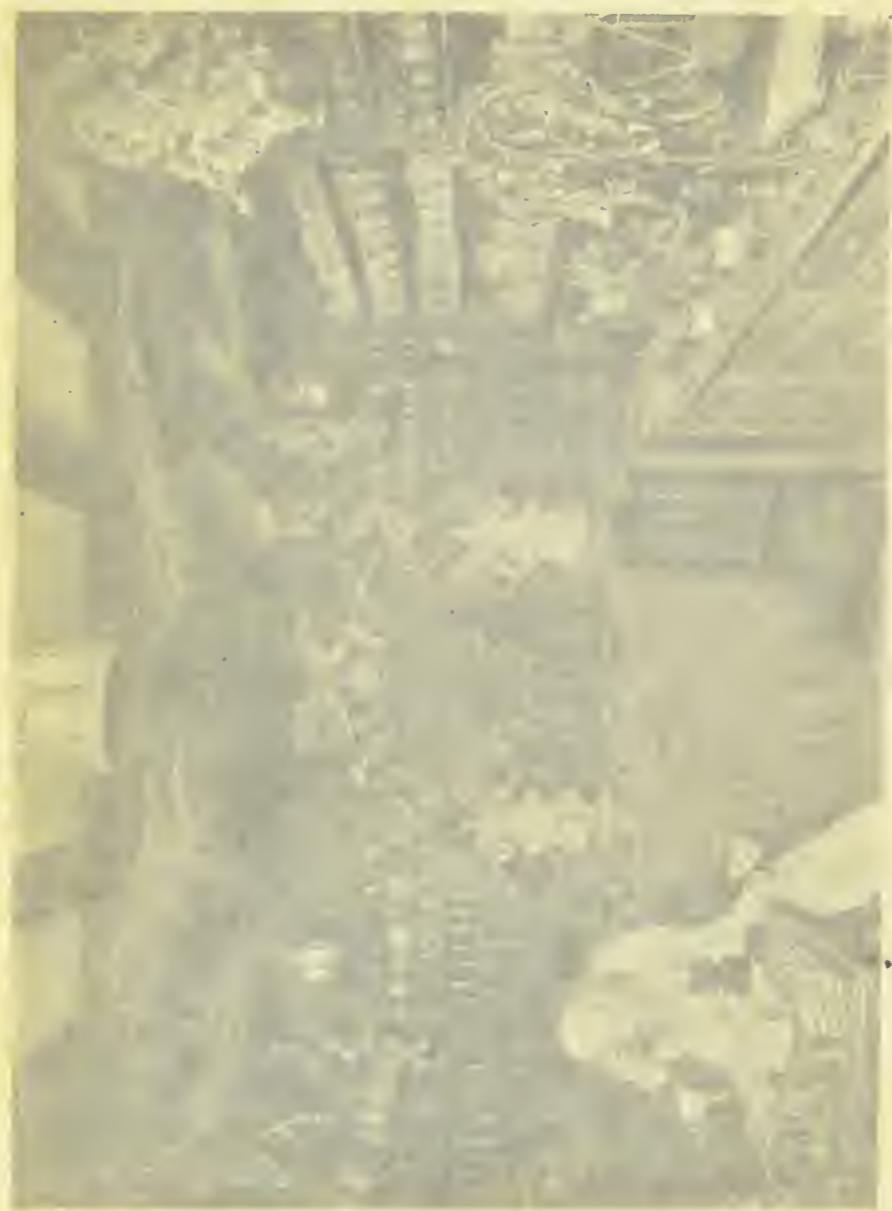
IMBALLO'S PERSONAL CLOTH.

## CASE 214

PAPER-BOATS.

## CASE 215

INFANTS' FEEDING BOTTLES.



Ground Floor, Back—*continued*

## CASE TABLES

## CASE 200

POCKET SURGICAL DRESSING AND DENTAL CASES, etc.

## CASE 201

BREAST-PUMPS, EXHAUSTERS, AND SURGICAL INSTRUMENTS.

## CASE 202

ENEMAS AND SYRINGES, PRIMITIVE AND ANCIENT.

## CASE 203

ENEMA SYRINGES AND STOMACH-PUMPS.

## CASE 204

ENEMA SYRINGES AND STOMACH-PUMPS.

## CASE 205

CUPPING AND BLEEDING INSTRUMENTS.

## CASES 206 AND 207

BARBERS' SHAVING DISHES, etc.

## CASES 208 AND 209

ANCIENT ALCHEMICAL AND PHARMACEUTICAL APPARATUS.

## CASES 219 AND 220

EARLY ANÆSTHETIC APPARATUS.

## CASE 218

DRUG AND SPICE MILLS.

## CASE 217

CUSPIDORS AND URINALS, etc.

## CASE 216

FOOD WARMERS.

## CASE 215

INVALIDS' FEEDING CUPS.

## CASE 214

PAP-BOATS.

## CASE 213

INFANTS' FEEDING BOTTLES.

Ground Floor, Back—*continued*

## CASE 211

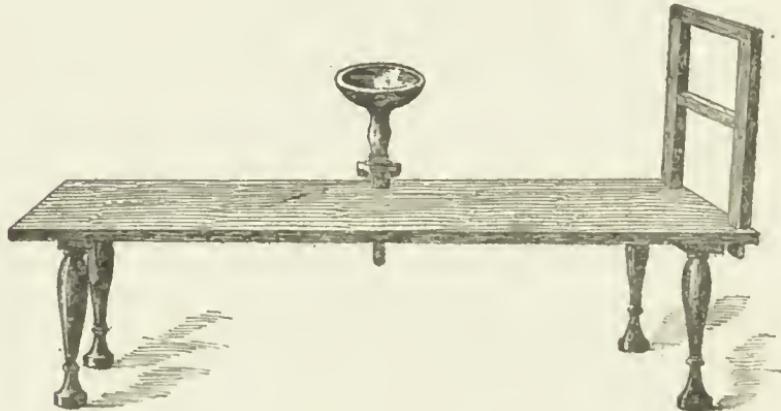
## BARBER-SURGEON'S BLEEDING BASINS.

## CASE 212

## HISTORICAL PHARMACEUTICAL OBJECTS AND IMPLEMENTS.

## Ancient Surgical Apparatus and Parturition Chairs

- 1 MAHOGANY CHAIR, specially made for an abnormally fat man.
- 2 OPERATING TABLE. 16th century. (Model.)  
As described by Ambroise Paré.



An operating table of the 16th century

- 3 SCAMNUS OF HIPPOCRATES.

Modelled from a drawing in a MS. of the 15th century of the works of Oribasius.

- 4 LADDER DESCRIBED BY HIPPOCRATES. (Model.)

Employed by Greek surgeons for reducing dislocated limbs.

- 5 THE OLD OPERATING TABLE AT THE UNIVERSITY COLLEGE HOSPITAL, LONDON, used by Liston when performing the first operation in which Ether was used as an Anaesthetic in this country, December 21, 1846. (Model.)

- 6 PARTURITION STOOL. 14th century. (Model.)

Ground Floor, Back—*continued*

7 PARTURITION STOOL, used in ancient Greece, and described by Savonarola. (Model.)

8 PARTURITION CHAIR. As described by Roeslin. 1532. (Model.)

9 PARTURITION CHAIR. As described by Ryff. 1554. (Model.)

10 PARTURITION CHAIR. 17th century. (Model.)

11 PARTURITION CHAIR. Swiss. 18th century. . . . .

12 PARTURITION CHAIR. Sicilian. 18th century

This chair was believed to possess miraculous powers, and was known as "the Miraculous Chair of Palermo." It was in the possession of a famous family of midwives for three generations, and is estimated to have been used in two thousand cases of delivery. On the back is a painting of Christ.



Parturition chair,  
early 18th century

13 PARTURITION CHAIR. 17th century. (Model.)  
Described by Heister. 1770.

14 PARTURITION CHAIR FROM ALEPO.

15 PARTURITION CHAIR. German. 17th century.

16 PARTURITION CHAIR. Portuguese. 18th century.



INSTRUMENTS OF TORTURE, AND APPLIANCES  
FOR RESTRAINING THE INSANE, 15TH TO  
18TH CENTURIES

GROUND FLOOR, BACK—CORRIDOR II

CASE 257

MODEL OF GUILLOTINE IN BONE. 18th century.

CASE 258

MODELS IN WOOD OF CHINESE TORTURES.

2 SPANISH INSTRUMENT OF TORTURE.

16th century ... ... ... —

3 MANACLES. 16th century ... —

4 SCOURGE FOR RELIGIOUS OFFENDERS, with carved wooden skull ornamentation ... ...

*Tibet*

5 AN INSTRUMENT OF TORTURE used in the Canton of Valais, Switzerland, in the 16th century —

This instrument was fixed in a beam in the prison, and used to crush the arm or leg. The screw was turned until the person was forced to confess.



ANCIENT APPLIANCES FOR RESTRAINING THE INSANE. ETC.

The Wellcome Historical Medical Museum



## STRANGERS' ROOM, BACK-QUADRANGLE. (Continued.)

8. **STRAPS**, used to fasten the feet & ankles together ... *Chinese*

9. **FRANGALUM WITH IRON LASHES**, 17th century ... —

10. **SO. MARY'S COLLAR**, placed on women who refused to confess their crimes

11. **W.R. FLAIL** — *Indian*

12. **MARRAIS** AND **HANDCUFFS** for *chaining* violent inmates to the wall — *Presented from Old Bedlin Hospital*

13. **MARRAIS** FOR A SORCERESS, 17th century —

14. **BRASS TONGS**, 17th century —

15. **STONES ON BLOODY BONE** AND **IRON NECKLACE**, 1615. —  
The neck was worn by women ~~accused~~ of crimes, who were dragged about the streets by the executioners. The iron collar was used for breaking the necks of condemned persons.

16. **BRASS TONGS AND NECK BONES** FOR EGYPTIAN PRISONERS

17. **INSTRUMENTS OF TORTURE** FOR THE WRISTS, 17th century — *Chinese*



Ground Floor, Back—Corridor II—*continued*

6 SHACKLES, used to fasten the neck  
and ankles together ... ... Chinese

8 FLAGELLATOR WITH IRON LASHES.  
17th century ... ... —

9 ST. MARY'S COLLAR, placed on  
prisoners who refused to con-  
fess their crimes ... ... —

10 WAR FLAIL ... ... ... Indian

12 MANACLES OR HANDCUFFS for  
chaining violent maniacs to the  
wall ... *Presented from Old Bedlam Hospital*

14 MANACLE USED FOR A SORCERESS.  
16th century ... ... —

17 BELT WITH TWO MANACLES AND  
CHAIN, used for a Sorceress... —

18 MASK OF BEATEN IRON, used in  
Nuremberg, 1625 ... ... —  
This mask was worn by women accused  
of crimes, who were dragged through the  
streets by the executioners. The women's  
hands were tied behind their backs, a rope  
was tied round the knees, while on both  
sides of the bodies an inscription was placed,  
relating the crimes they had committed.

19 NATIVE-MADE LEG AND NECK  
IRONS, for Egyptian prisoners —

20 INSTRUMENTS OF TORTURE FOR  
THE WRISTS. 17th century ... Swiss

## Ground Floor, Back—Corridor II—continued

22	HANDCUFFS, used for the insane...	—
24	CAT-O'-NINE-TAILS ...	—
25	LEG STRAPS, used for the insane...	—
26	WAIST-BELT WITH HANDCUFFS, used for the insane ...	—
27	CHAIN BELTS used in monasteries for penance ...	—
28	FLAGELLATORS used by the monks of the middle ages in Belgium	—
30	MANACLE, OR FETTERLOCK OF IRON, used for restraining violent maniacs	<i>From Old Bedlam Hospital</i>
31	BELT OF PENANCE	<i>Presented by W. C. Burton, Esq.</i>
32	BRANDING IRON FOR FELONY, 16th century ...	Swiss
33	LIP SMACKER ...	Chinese
34	HIPPOPOTAMUS DOUBLE-LOOPEP PINNING THONG for pinning down natives when flogged	<i>Congo, West Africa</i>
35	TONGUE EXTRACTOR. Swiss instrument of torture...	—
36	SIX NATIVE SINEW WHIPS. 16th century ...	—
37	A WOODEN PILLORY FOR TWO PERSONS. Marked H.G.M., 18th century ...	—
38	WOODEN CHINESE PILLORY, with inscriptions referring to the culprit's misdeeds ...	—

Ground Floor, Back—Corridor II—*continued*

39 MASK OF PAINTED WOOD, FOR  
MEN. 16th century ... ... France  
Worn by those condemned by the  
Inquisition, when drawn on carts through  
the streets to execution.

40 MASK OF PAINTED WOOD, FOR  
WOMEN. 16th century ... France  
Worn by those condemned by the  
Inquisition, when drawn on carts through  
the streets to execution.

41 MANACLES WITH CHAIN, from  
Valais, used for criminals.  
16th century ... ... ... France

## LIEBIG'S LABORATORY AT GIESSEN

A model of the analytical laboratory in which Liebig worked in Giessen for many years.

Some of the apparatus is of special interest in relation to the development and history of chemistry.

On the left, on a wooden stand, is the "Liebig Cooler," whieh, in an improved form, is still used for distilling. On the right is the "Liebig Combustion Furnace," used with coal fuel.

The charcoal for the smaller stoves at this period used to be brought to a glow beforehand in a stone fireplace, or in a large, portable stove upon whieh, in order to increase the draught, a sheet-iron chimney was fixed. The glowing coals were then conveyed with the tongs to the small heating furnace.

The glass retorts, so much used in Liebig's time, were specially employed for producing the chemicals necessary for laboratory work. These were made in the laboratory from a comparatively small quantity of bought raw materials, *e.g.* liquid ammonia, pure hydrochloric and nitric acids from raw acids by distillation, and sodium phosphate from bones.

**Ground Floor, Back**—*continued***LIEBIG'S LABORATORY**—*continued*

The smaller utensils (stands, clamps, etc.) in those days were all made of wood. They were thus unwieldy in shape, and the uses to which they could be put were limited.

The following important operations were carried out in this laboratory:—

(a) The distillation of volatile bodies by means of the Liebig cooler. The apparatus consists of a small table-stand, the cooler-supporter, a large table-stand for the water-cooler, a tripod for the small furnace and the grate, a cooler with funnel tube, triangle for the sand-bath, and a circular straw-ring, on which the receiver was placed when on the stand.

(b) Distillation of bodies boiling at a high point. In this process, the cooler was abandoned. The retort was fixed in the vertical clamps, and the receiver was pushed over the neck of the retort.

(c) The production of pure hydrochloric acid and nitric acid by distilling the raw acids out of large glass retorts, which were embedded in a sand cupel with a hole in it for the neck of the retort.

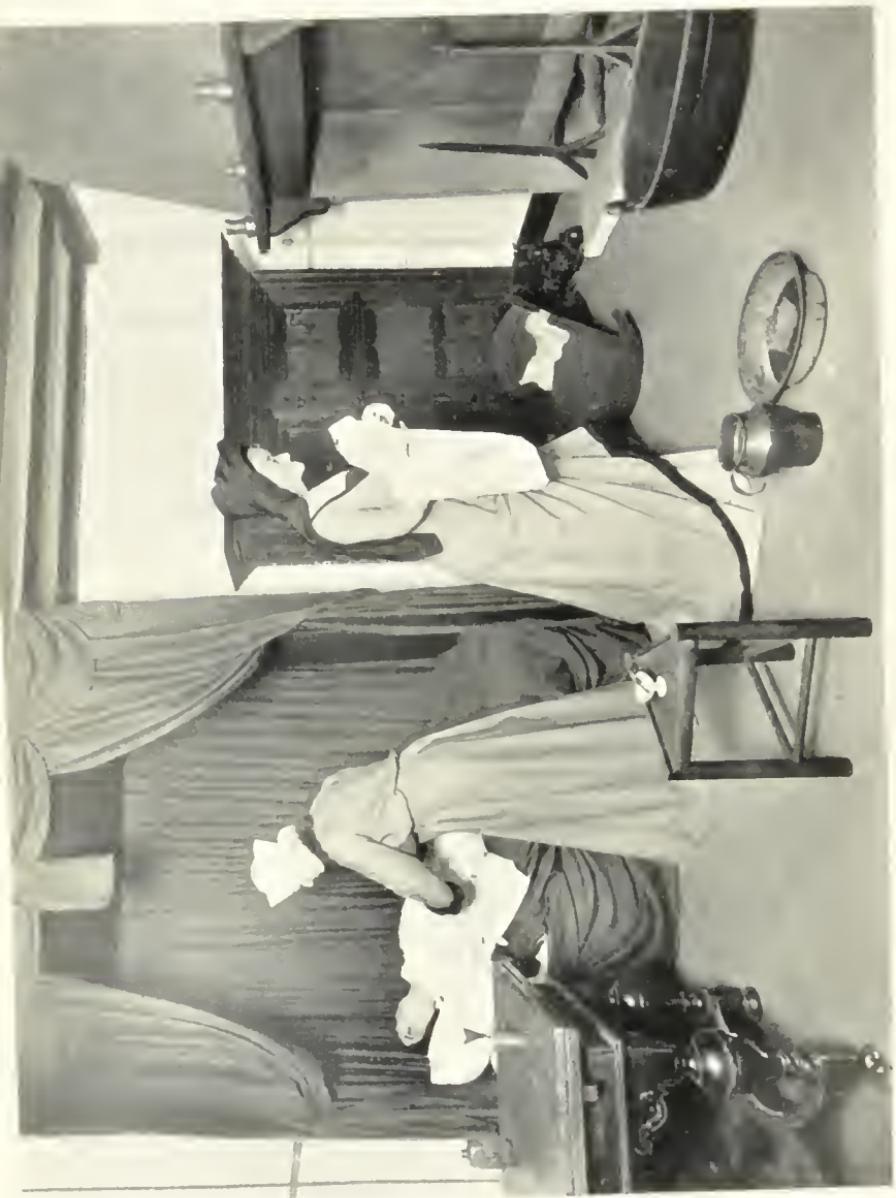
(d) The production of liquid ammonia. The boiler was connected with the wash-bottle by means of a leaden pipe.

(e) Elementary analysis in the combustion furnace with charcoal heating.

On the far wall on both sides of the furnace are grated sash-windows, and beneath them in the stone wall are the little iron doors of the ash and coal receptacles, which served for the heating of this "closed laboratory with chemical furnace," as Liebig called it. The stoking of the furnace, which by means of changeable grates could be adjusted for melting crucibles, evaporation basins or retorts, was effected from above, charcoal or coal being the fuel used. Economical use of the fuel (the heating of drying chambers) and good ventilation are secured by ingeniously arranged passages for the draught and the escaping gases.

One cannot fail to be impressed with the care and thought that Liebig bestowed on these little details, which are of such hygienic importance in the workroom of the chemist.





LYING-IN ROOM, XVI CENTURY  
The Wellcome Historical Medical Museum

(See page 59)

Ground Floor, Back

DRUGS LABORATORY

It is interesting to compare the progress of the study of chemistry, which marked the beginning of a new epoch in chemistry, with the dark and obscure condition of the alchemist in the 17th century (see p. 102).

A LYONIAN KITCHEN OF THE 17TH CENTURY

(Reconstructed from a manuscript in the  
Archives)

Jean-Baptiste BERTAIS, M.D., in his Role as Doctor of  
MEDICINE of MONTPELLIER UNIVERSITY, 1537.

(Copied from the original roles still pre-  
served in the University of Montpellier)

A TURKISH DRUG SHOP OF THE 17TH CENTURY

(Reconstructed from the Old Drug Bazaar  
in Constantinople)

A TURKISH DRUG SHOP OF THE 17TH CENTURY

(The reconstructed from a picture of the period)



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**Ground Floor, Back**—*continued***LIEBIG'S LABORATORY**—*continued*

It is interesting to compare this laboratory of the early 19th century, which marked the beginning of a new epoch in chemistry, with the dark and gloomy laboratory of the alchemist in the 16th century (*see page 65*)

**A LYING-IN ROOM OF THE 16TH CENTURY.**

(Reconstructed from a miniature of the period)

**FRANÇOIS RABELAIS, M.D., IN HIS ROBES AS DOCTOR OF MEDICINE OF MONTPELLIER UNIVERSITY, 1537.**

(Copied from the original robes still preserved in the University of Montpellier)

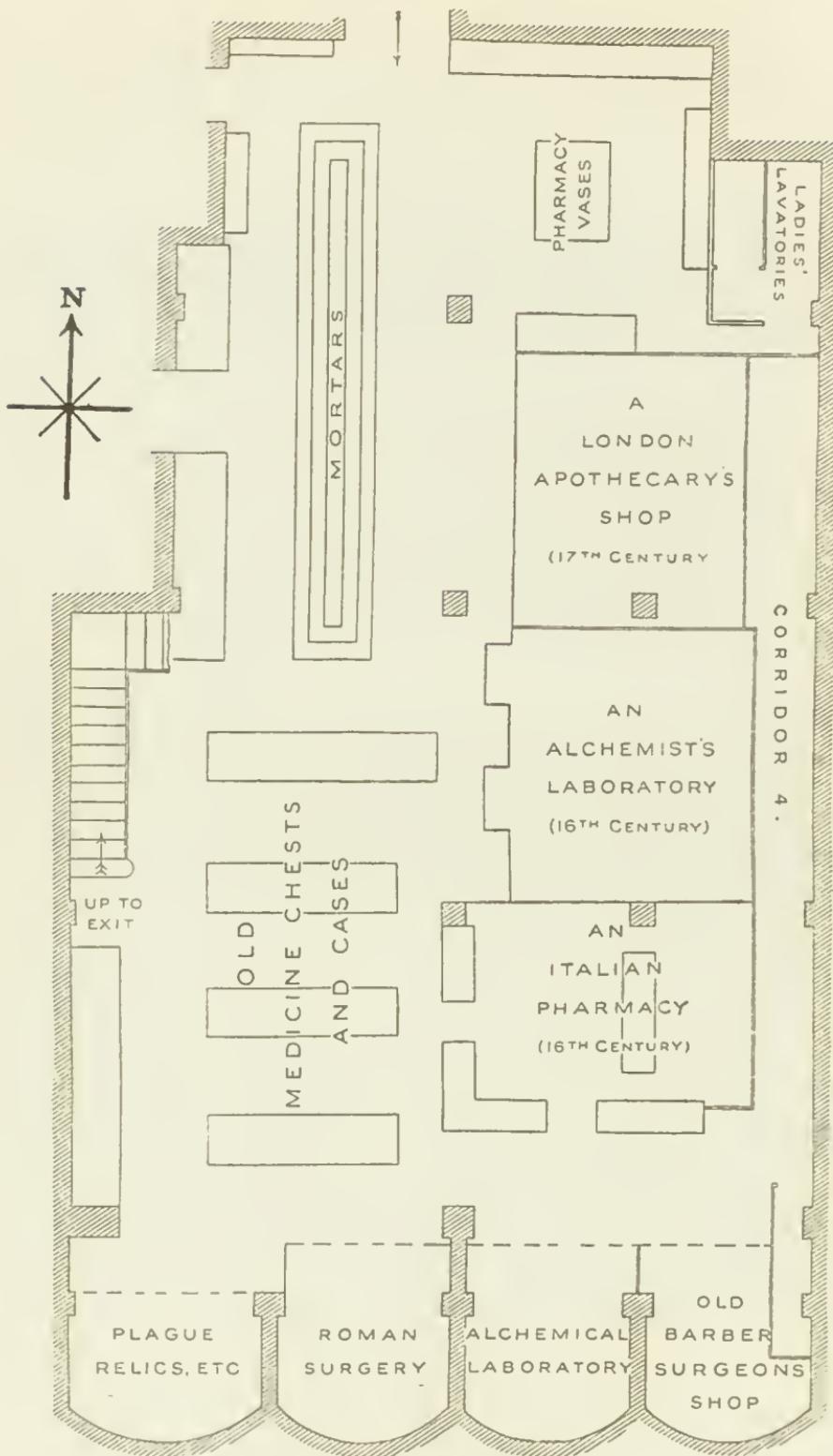
**A TURKISH DRUG SHOP OF THE 17TH CENTURY.**

(Reconstructed from the Old Drug Bazaar in Constantinople)

**AN ITALIAN HOSPITAL WARD OF THE 16TH CENTURY.**

(Reconstructed from a picture of the period)

## FROM BACK GROUND FLOOR



PLAN NO. 6.—FRONT GROUND FLOOR

Showing passages from Back Ground Floor and those sections of the Museum described on <sup>ages</sup> 61-66; also staircase up to exit.



## PHARMACY AND CHEMISTRY

### GROUND FLOOR—FRONT

IN the front part of the ground floor most of the objects, appliances, implements, apparatus, books and documents relating to the history of pharmacy have been arranged.

Pharmacy has been aptly called the handmaid of medicine. They had a common origin in the art of healing as practised by primitive man.

The period when separation began between the prescriber and the compounder of drugs cannot be definitely stated, nor indeed can they be said to be entirely divided to-day. In the Old Testament, in the time of Moses, the physician and apothecary are mentioned separately. The Romans had their pharmacopolists or dealers in medicinal plants, also a class called the "aromatarii," who dealt chiefly in spices, roots and gums.

During the Byzantine period, mention is made of a class called the "pimentarii," who are said to have prepared medicines for the physicians and to have sold draughts, lozenges and pills to the people.

The Arabs laid the foundation of modern pharmacy, and from the 8th to the 12th century brought it to a high state of culture. At Baghdad, in the 8th century, there was a public pharmacy or dispensary organised by Al Mansur, and the practice of pharmacy was to a large extent distinct from that of medicine.

**Ground Floor, Front—continued**

The Italians developed the art of preparing medicines, and, at the famous School of Salerno, laws regulating the practice of the apothecaries and the prescribing of medicines were promulgated.

The monasteries of the 11th and 12th centuries had their pharmacies; monks prepared the medicines and administered the same to the sick.

Early in the 12th century apothecaries and spicers practised in France.

In England there is record that the spicers and apothecaries were the vendors of drugs in the 12th century. These they sold on stalls or booths in the market-places in the cities. The district where they congregated was called the "apothecaria." In London, during the 16th and 17th centuries, Bucklersbury was the part mostly frequented by the apothecaries. Ben Jonson called it "Apothecaries' Street."

A type of the London apothecary's shop of the 17th century has been constructed in the Museum. The interior was dark and mysterious, its fittings crude, and the shelves lined with jars and ewers of blue and white delft then made by the potters of London.

The early part of the 18th century saw the evolution of the chemist and druggist, the former being the descendant of the alchemist who worked in chemical substances, and the latter the offshoot of the apothecary, who about this time became a medical practitioner.

The shop of the London chemist and druggist in the latter part of the 18th century has also been reconstructed. The quaint exterior with its small glass-paned windows





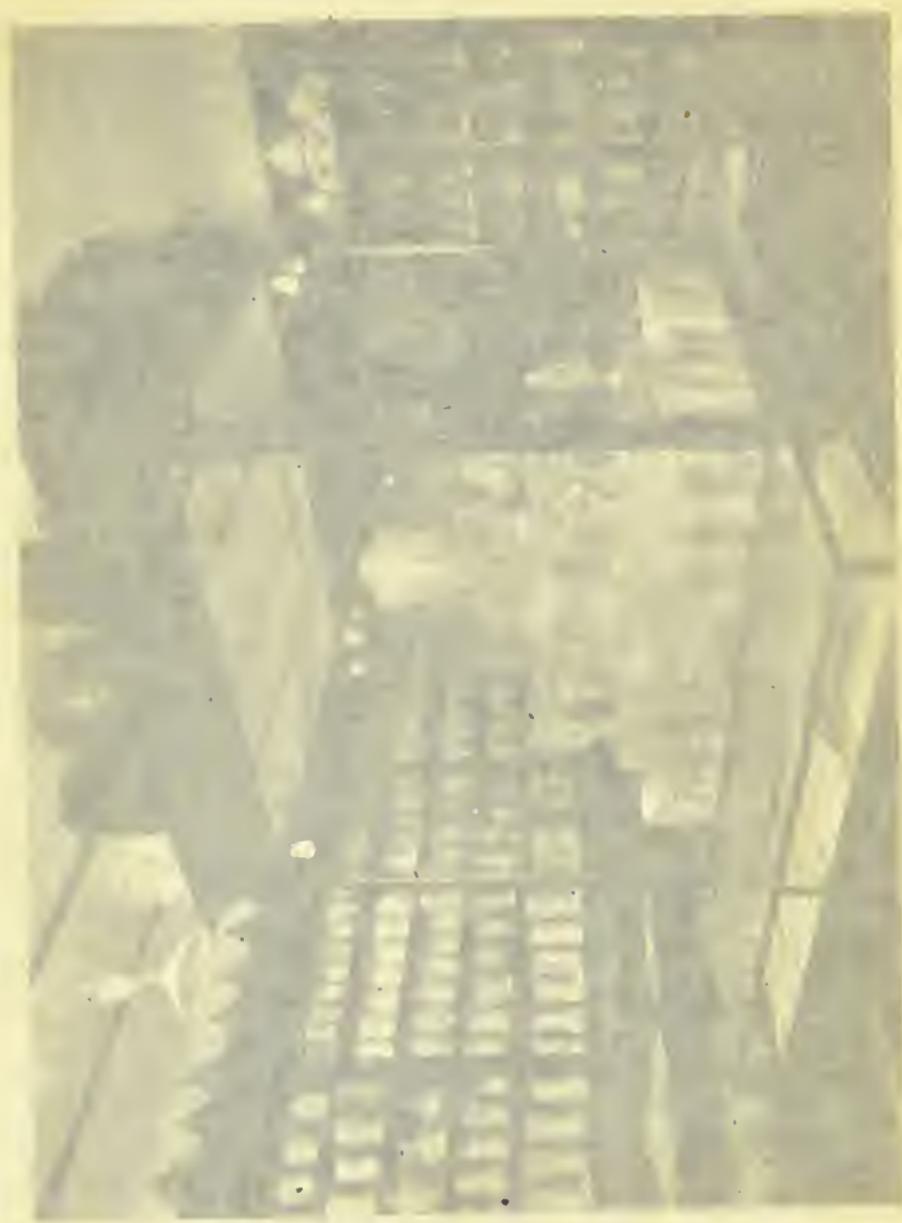
ANCIENT PHARMACY VASES  
The Wellcome Historical Medical Museum

《中華書局影印》，276頁，2011年。

CHAP. 26.]

( 121-26 )

( ) .



**Ground Floor, Front—continued**

formed the original front of John Bell's shop, which formerly stood in Oxford Street, London, and was established in 1798. At the back is the pharmaceutical laboratory where the drugs and galenicals were prepared, and then passed into the shop for sale and dispensing.

**WALL****CASES 269, 271 TO 274 AND 279 TO 280**

PHARMACY VASES. ITALIAN, SPANISH, PORTUGUESE,  
FRENCH AND ENGLISH FAIENCE.

**CASE 261**

PHARMACEUTICAL MANUSCRIPTS, MEDICAL RECIPES,  
PRESCRIPTION BOOKS AND DOCUMENTS.

**CASE 262**

EARLY DOCUMENTS, ANCIENT PRESCRIPTIONS, ACCOUNT  
BOOKS, ETC.

**CASE 263**

EARLY PRICE LISTS OF DRUGS, AND BILLS, ETC.

**CASES 276 TO 278**

ANCIENT PHARMACY JARS, VASES, POSSET POTS, FAIENCE,  
FIGURES, ETC.

**CASE 265**

SANITARY ANNOUNCEMENTS, MSS., DOCUMENTS AND OLD  
HERBARIA.

**CASE 266**

OLD HANDBILLS AND PRESCRIPTIONS, ETC.

**CASE 267**

OLD PHARMACOPOEIAS, ETC.

**Ground Floor, Front—continued****“THE MAKING OF THERIACA”**

A water-colour drawing representing the making of the famous Theriaca, in Bologna. The preparation of this medicament was carried out with much ceremony and solemnity in the presence of the leading officials of the City, in the Courtyard of the ancient Archiginnasio, the old University of Bologna.

**RECIPE FOR THE TREACLE OF ANDROMACHUS FROM THE LONDON PHARMACOPÆIA, 1618.**

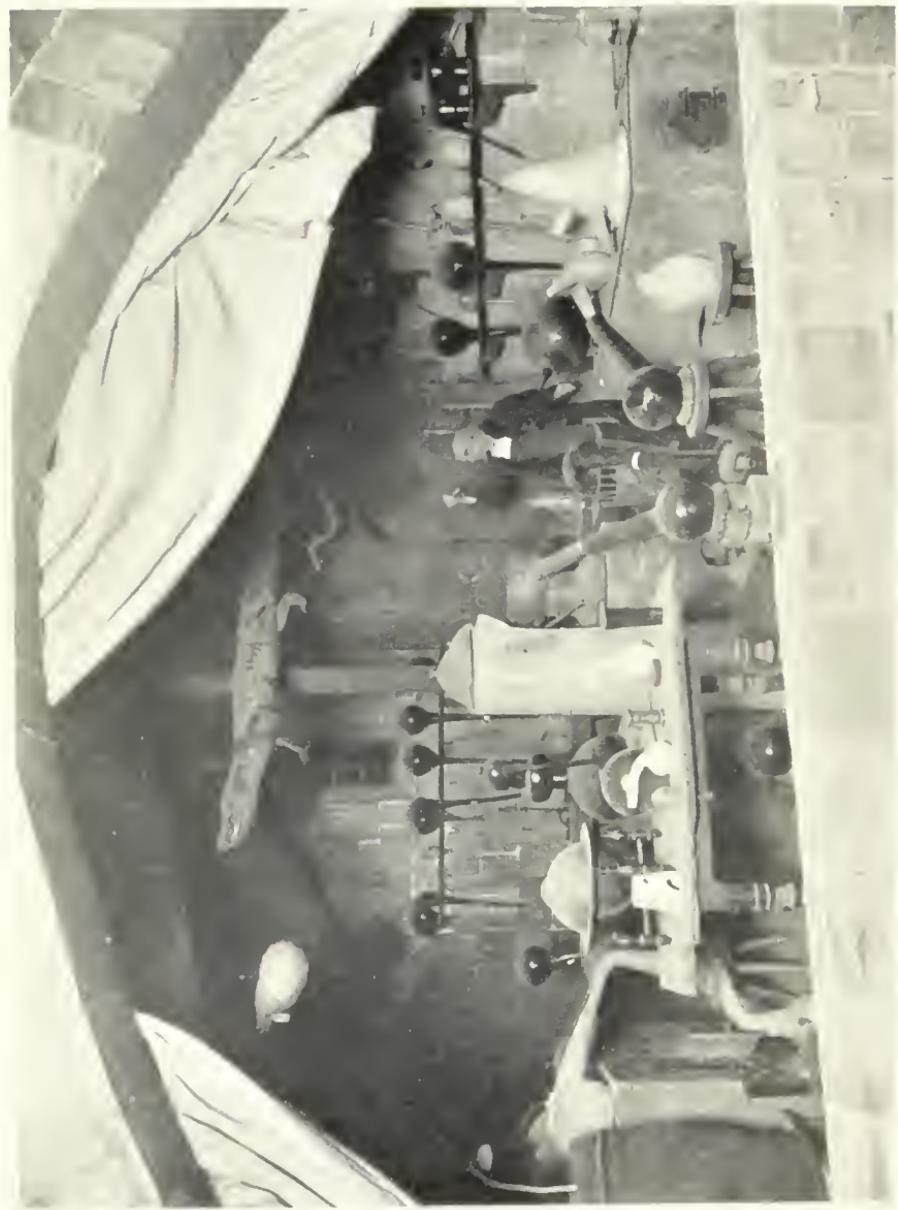
(On the ceiling)

**CASE 268****PHARMACOPÆIA OF THE ROYAL COLLEGE OF PHYSICIANS, LONDON, ETC. Early Editions.****CASE 269****PHARMACY JARS, BOTTLES, CONTAINERS, ETC.****MORTARS****CASE 270****THE ORIGIN AND HISTORY OF THE MORTAR.****PREHISTORIC STONE, MARBLE, BRONZE, BELL-METAL AND BRASS MORTARS, from the earliest times.****ANCIENT SCALES, WEIGHTS AND WEIGHING APPLIANCES****CASE 293****STEELYARDS.**

From the 17th to 19th centuries.

**SPRING BALANCES. NATIVE SCALES AND WEIGHTS, from Ashantee and Burma. CHINESE APOTHECARIES' SCALES.**





AN ALCHEMIST'S LABORATORY OF THE XVI CENTURY  
The Wellcome Historical Medical Museum

## Winged Pheas, Front—continued.

CASES 294 300 297

ARMED PHEASANT, BIRDS AND ANGEL, SCALLOP SHELLS AND WINE,

ARMOR OF JOHN SMITH, APRICOT-CAP. (Reconstructed.)  
BY "THE SIGN OF YE WILDE MAN," IN THE OLD BAILLIE,  
LONDON, 1602.

## AN ALCHYMIST'S LABORATORY OF THE 16TH CENTURY.

The reconstruction of the laboratory is an assembly of the following articles such as furnaces, right-angled troughs, glass, glassy and clay, with various apparatuses and vessels, all constructed of copper, fantastic and curious in the arrangement of the apparatus, and of various sizes and shapes.

The reconstruction of my laboratory is based on the historical documents preserved in the British Museum that period, and the importance of that work. Apart from the characteristic summit of the "Pinto of the Stone" and the "Elixir of Life" which it so persistently owes a considerable debt to the alchemists. To them indeed the discovery of alcohol, phosphorus, carbonic acid, hydrochloric acid, ammonium carbamate, potassium cyanide, sodium iodide, potassium permanganate, tannin, arsenic, and many other substances, the sum total.

The apparatus in the laboratory are made of existing articles placed in the furnace in a furnace or furnace and two furnaces for distilling, at the back a large furnace for melting. Around the walls are distilling hearths, retorts, vials, alembics, crucibles, receivers and other apparatus.

## AN ITALIAN PHARMACY. 16th century.

The Pharmacy is dedicated to St. P'occo.

## A BATHING-SALON. SHOP. 16th century.

(Reconstructed from a picture of the period)

## A LABORATORY.

Considered model of the actual furnaces used by alchemists in the 15th and 16th centuries, and fitted with original apparatuses of the period.



Ground Floor, Front—*continued*

## CASES 294 TO 297

ANCIENT EGYPTIAN, ROMAN AND ARAB WEIGHTS.  
ANCIENT APOTHECARIES' SCALES AND WEIGHTS.SHOP OF JOHN SMITH, APOTHECARIE. (Reconstructed.)  
At "Ye Sign of ye Wilde Man," in ye Old Bailie,  
London, 1662.

## AN ALCHEMIST'S LABORATORY OF THE 16TH CENTURY.

This reconstruction of the laboratory of an alchemist of the 16th century is one such as Paracelsus might have worked in. Mysterious, gloomy and dark with strange animals and fishes depending from the roof, casting fantastic and eerie shadows on the old stone walls, it offers a glimpse of the surroundings of the worker in Science some four centuries ago.

The atmosphere of mystery which surrounded the lives of those who practised the spagyric arts in that period played an important part in their work. Apart from the chimerical pursuit of the "Philosopher's Stone" and the "Elixir of Life," posterity owes a considerable debt to the alchemists. To them is due the discovery of alcohol, phosphorus, sulphuric acid, hydrochloric acid, ammonium carbonate, potassium sulphate, ether, sodium sulphate, potassium permanganate, tartarated antimony and other substances too numerous to mention here.

The apparatus in the laboratory are models of existing original pieces. In the centre is an athanor or muffle and two furnaces for distilling; at the back a large furnace for metals. Against the wall are distilling hearths with retorts, vials, alembics, cucurbitics, rcccivers and other apparatus.

## AN ITALIAN PHARMACY. 16th century.

The Pharmacy is dedicated to St. Rocco.

A BARBER-SURGEON'S SHOP. 16th century.  
(Reconstructed from a picture of the period)

## A LABORATORY.

Containing models of the actual furnaces used by alchemists in the 15th and 16th centuries, and fitted with original apparatus and appliances of the period.

**Ground Floor, Front—continued****A ROMAN SURGERY (TABERNA MEDICA) IN POMPEII**

The furniture and decorations are copied from originals found in Pompeii and Herculaneum, now in the National Museum, Naples.

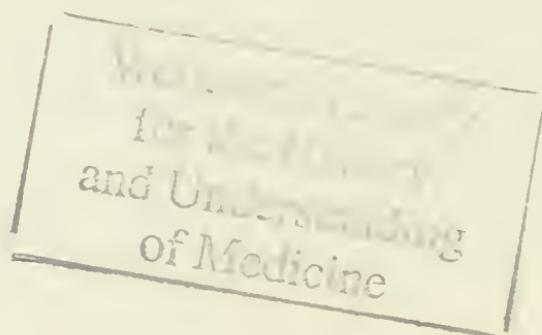
**NATIVE MODEL OF A CHINESE DRUG SHOP.**

Medicine plays an important part in the domestic economy of the Chinese, and their *Materia Medica* is as remarkable in quantity as it is in character. They have their remedies for every ailment.

The front part of the ground floor is devoted to the shop and the back part is the consulting room. The floors above are the living rooms of the proprietor.

**A NIAM-NIAM MEDICINE MAN. British East Africa.****RELICS, DOCUMENTS, AND PICTURES, ETC., RELATING TO THE PLAGUE IN EARLY TIMES.**

Models and drawings of costumes worn by physicians when attending plague patients. Instruments and appliances used in time of plague in ancient times.

**CASES 303 TO 310****ANCIENT MEDICINE CHESTS, MEDICINE CASES AND DRUG CABINETS.****CORRIDOR IV****PRINTS, ENGRAVINGS, CARICATURES, DRAWINGS, PHOTOGRAPHS, ETC., OF MEDICAL INTEREST.**

## NOTES

N O T E S—*continued*

NOTES—*continued*

NOTES—*continued*







